Dental Products Catalogue 2011/2012

Passionate about quality!

3M ESPE

Passionate about quality!

3M ESPE AG, located in Seefeld, near Munich, develops, produces and markets more than 2,000 dental products for innovative dentistry. Thereby, a top-class quality is achieved through strict controls during the whole process which are conducted by highly skilled employees: the evaluation of the customer desires, the acquisition of raw materials and the selection of suppliers in every single step of production until the completion of the final product. As a part of a real multi-technology company, we possess the knowhow, experience and options necessary to successfully implement new, future-oriented product ideas which are in line with current research findings as well as practice requirements.

In this way, RelyX™ Unicem 2 Automix Self-Adhesive Resin Cement, for example, enables a comfortable and efficient workflow, because adhesive cementation of indirect restorations becomes possible in no more than five work steps. The best prerequisites to achieve high-end aesthetics are offered e. g. by Filtek™ Supreme XTE Universal Restorative with its large number of different shades and opacities, unsurpassed polish retention and optimized fluorescence characteristics. Highest precision during impression taking is achieved not only in the conventional way, with the product family of Impregum™ Penta™ Impression Materials, amongst others, but also with the Lava™ Chairside Oral Scanner C.O.S. for digital precision impressions.

In order to provide the best possible solutions for you and your patients – bearing in mind the specific requirements during everyday work – we consider ourselves to be a solution provider offering a whole range of high-quality dental products from one single source. The practicability and reliability of our materials and devices is achieved by implementing especially easy use while at the same time providing for aesthetic and precise results. In short, we are passionate about quality.

Dieter Klasmeier

Marketing Communications Operations Manager EMEA

3M ESPE

Our new highlights!

Experience dental advance.

When it comes to innovation and progress we never rest. So again you may look forward to a variety of newly developed products and substantial improvements by 3M ESPE. Because we are passionate about quality, this is and will be our most important goal.

Impregum™ Intra-oral Syringe

Single-Use Syringe for Polyether

Express™ 2 Intra-oral Syringe

Single-Use Syringe for VPS

page 59

New:

The single-use syringe features all you can wish for to prepare an accurate and flawless impression:

Benefits:

- Simplicity in handling
- Ultimate precision
- Perfect hygiene

The New innovation for wash delivery!

Lava™ C.O.S.

Chairside Oral Scanner

page 45

New:

Digital implant workflow with Biomet 3i. Full arch dentistry with 3.0 software will offer: high speed calculation, automatic distance measurement, rewind function and removal of artifacts.

Benefits:

- Easy and faster scanning
- Faster upload and processing of cases
- Fast, robust & accurate digital process

New indications

Filtek™ Supreme XTE

Universal and Flowable Restoratives

page 35

New:

Lifelike Aesthetics that lasts based on the 2nd generation of 3M ESPE's unique nano-technology.

Benefits:

- Exceptional aesthetics
- Unsurpassed polish retention
- Low wear

New!

Protemp™ 4

Temporisation Material

page 68

New:

The reliable temporization partner, Protemp 4, is now available in a broader choice of shades featuring the new A3.5.

Benefits:

- Reliable strong temporaries
- Outstanding Aesthetics
- Proven long-term temporary

New
Shade A3.5
Enhanced Bleach

RelyX™ Unicem 2

Self-Adhesive Resin Cement

page 77

New:

The clinically most proven self-adhesive cement technology is now also available in the automix syringe.

Benefits:

- Easy-to-use syringe
- Clinically proven
- Suitable for virtually all indications

New!

Visit us at:

www.3mespe.com

Scan the QR Code
with your smartphone

A **Menu bar**
Select a specific user group “dentist” or “dental technician” or a product category and you are automatically led to a page showing the relevant content of choice.

B **Valuable information**
Obtain up-to-date information about the latest news and events. The section dedicated to Espertise™ knowledge transfer provides an overview of the continuing education programmes. Interesting background information about 3M ESPE can be found here as well.

C **Search function**
Insert a key word and find relevant results quickly.

D **Your 3M ESPE Service Center**
Via different symbols in the toolbar you may e.g. check where to obtain a particular material or device. You can also contact 3M ESPE in your desired way – via e-mail or telephone.

E **Share function**
Tell friends and colleagues about interesting products and information on the 3M ESPE webpage!

F **Related products**
The direct relations between the selected material or device and other products are displayed here. In this way, the search for complete solutions is facilitated and an overview of the product range provided.

G **Tab 1: Overview**
Each product page provides you with a short introduction about the specific product including its major benefits.

H **Tab 2: Product information**
In-depth information about the product is shown. Product features, indications, technical data and ordering information are listed in a clearly structured way.

I **Tab 3: Clinical application**
Well-documented clinical cases.

K **Tab 4: Studies and science**
Detailed informations of diverse *in vivo* and *in vitro* studies.

L **Tab 5: Download**
Product brochures, data sheets, instructions for use, product videos and much more informative material on a specific product are available under tab 5.

3M ESPE
Proven solutions
you can trust

3M ESPE
Proven solutions
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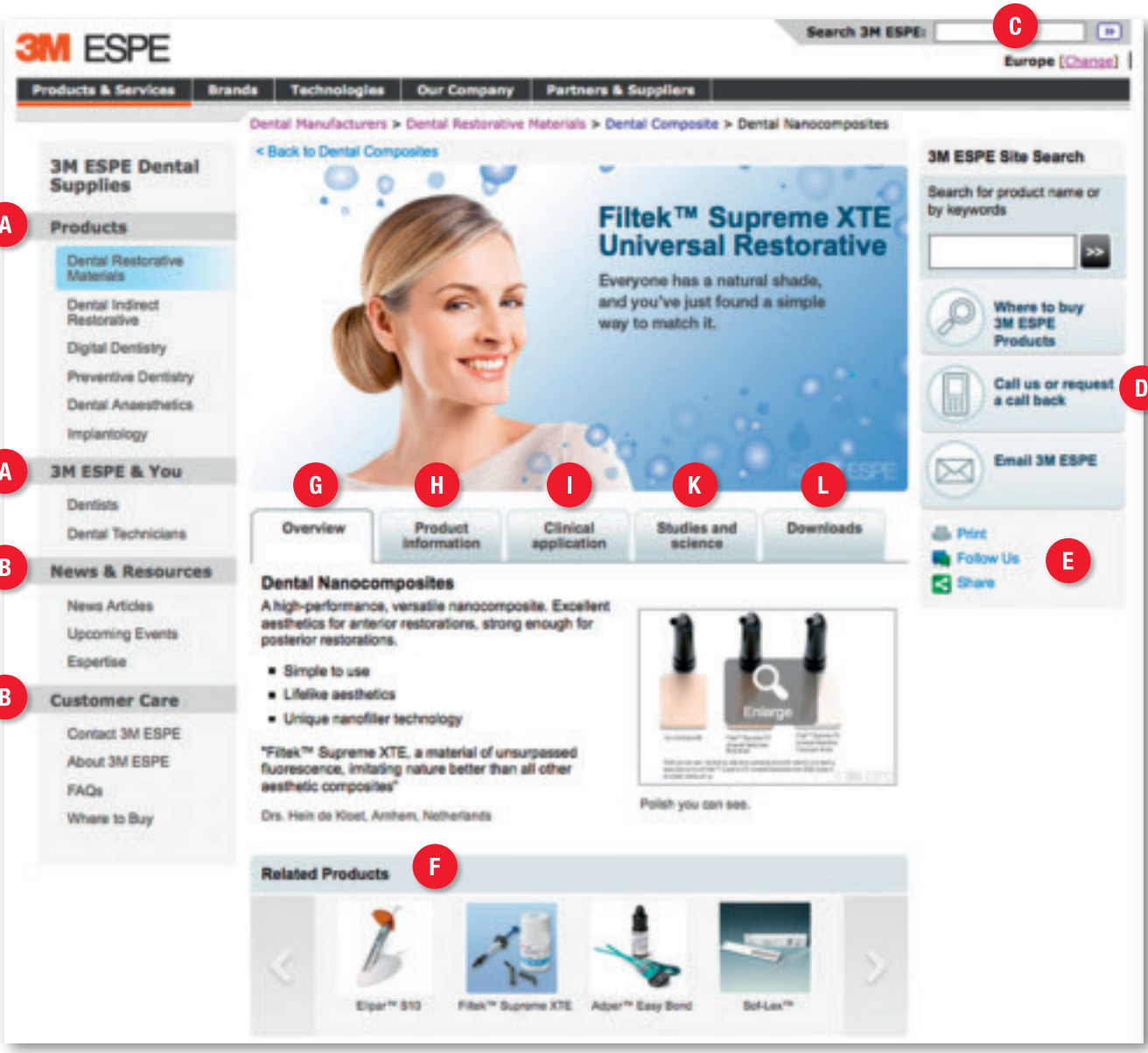
3M ESPE
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Products & Services
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Technologies
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Partners & Suppliers
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3M ESPE Dental Supplies
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Dental Indirect Restorative
Digital Dentistry
Preventive Dentistry
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Filtek™ Supreme XTE Universal Restorative
Everyone has a natural shade, and you've just found a simple way to match it.
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Dental Nanocomposites
A high-performance, versatile nanocomposite. Excellent aesthetics for anterior restorations, strong enough for posterior restorations.
Simple to use
Lifelike aesthetics
Unique nanofiller technology
"Filtek™ Supreme XTE, a material of unsurpassed fluorescence, imitating nature better than all other aesthetic composites"
Drs. Hein de Kloet, Arnhem, Netherlands
Enlarge
Polish you can see.
Related Products
F
Elipar™ S10
Filtek™ Supreme XTE
Adper™ Easy Bond
Sof-Lex™
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Where to buy 3M ESPE Products
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Prevention

Tooth Whitening

Prevention
Tooth Whitening

Prevention
Clinpro™ Cario L-Pop™
Clinpro™ Prophy Powder
Clinpro™ Prophy Paste
Clinpro™ White Varnish
Clinpro™ Sealant
Concise™ Sealant
Tooth Whitening
Zaris™ White & Brite 30 %
Zaris™ White & Brite 16 %
Zaris™ White & Brite 10 %
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3M ESPE

Clinpro™ Cario L-Pop™

Lactic Acid Indicator Swabs

Clinpro™ Cario L-Pop™ is a speedy biochemical test conducted chairside, it provides a reliable diagnosis of the individual caries potential in just a few minutes.

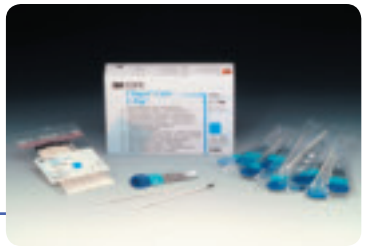
Indications

- Supports diagnosis and monitoring of caries potential prevailing in individual's mouth
- Suitable to monitor the treatment success of oral care products to preserve and establish an oral microflora with low active caries bacteria
- Scores indicate the actual caries potential prevailing in the oral micro-flora

Product Benefits

The test detects the metabolic activity of caries-causing bacteria in the oral flora, on the basis of the rate of lactic acid formation.

- Monitoring of achieved lowering caries risk
- Motivates patients by immediately showing the outcome of professional preventive care
- Appropriate for patients of any age



Introductory Kit Clinpro™ Cario L-Pop™

Item No.	Product Information
47055	**Introductory Kit** 20 Clinpro Cario L-Pop, 20 Indicator Swabs, 1 Coloured Evaluation Chart
47056	**Refill Pack** 40 Clinpro Cario L-Pop, 40 Indicator Swabs, 1 Coloured Evaluation Chart

Clinpro™ Prophy Powder

Airpolish Powder for Sub- and Supragingival Usage

Clinpro™ Prophy Powder represents a unique innovation in air-polish technology and periodontal treatment. It removes pathogenic bacteria in the periodontal pockets more effectively than conventional plaque removal procedures.

Indications

- Safe removal of sub- and supragingival plaque during routine professional tooth cleaning
- Safe removal of plaque and stains on root/dentine surfaces
- Effective bacterial reduction in the periodontal pockets in addition to subgingival scaling during initial periodontal treatment or during supportive periodontal therapy (Recall)
- Easy and safe removal of extrinsic stains
- Safe professional cleaning of orthodontic braces

Product Benefits

- Effective bacterial reduction in periodontal pockets during clinical maintenance
- Minimal abrasion of enamel and dentin surfaces
- Significantly reduced treatment time compared to manual scaling procedures

Clinpro™ Prophy Powder Bottles

Item No.	Product Information
67001	4 Bottles, 100 g each

Not all products of this catalogue are available in all countries.

Clinpro™ Prophy Paste

Prophylaxis Polishing Paste

Clinpro™ Prophy Paste contains pumice and is available in three different grits; fine, medium and coarse, meaning the dental hygienist can select the right grit for optimal cleaning and abrasion in every situation.

Indications

- For use in cleaning and polishing procedures, as part of a professionally administrated prophylaxis treatment

Product Benefits

- Specially formulated paste to minimise splattering during polishing
- Three different grits for the right choice in abrasion management, and available in mint (medium and coarse) or cherry (fine) flavour
- Releases fluoride during polishing procedure, to help strengthen teeth and reduce sensitivity

Clinpro™ Prophy Paste Unit-Dose

Item No.	Product Information
12613	200 Unit-Dose, 2 g each, Fine, Cherry
12657	200 Unit-Dose, 2 g each, Medium, Mint
12658	200 Unit-Dose, 2 g each, Coarse, Mint

Clinpro™ White Varnish

Desensitizing Varnish

Clinpro™ White Varnish with TCP (Tri-Calcium Phosphate) is a proprietary formula that contains fluoride, calcium and phosphate-components naturally found in saliva.

Indications

- Treatment or prevention of hypersensitive teeth (dentine or enamel)

Product Benefits

- Flows better and reaches areas traditional varnishes may miss
- Delivers more fluoride
- Occludes Tubules

Clinpro™ White Varnish Unit-Dose

Item No.	Product Information
12249	50 Unit-Dose, 0.5 ml each, incl. Applicator Brushes in individual foil pouches, Flavor Mint, 1 Patient Pad, 60 Dosage Stickers, Technique Card
12250	100 Unit-Dose, 0.5ml each, incl. Applicator Brushes in individual foil pouches, Flavor Mint, 2 Patient Pads, 100 Dosage Stickers, Technique Card

Clinpro™ Sealant

Fissure Sealant

Clinpro™ Sealant is a light-cure, low viscosity, fluoride releasing pit and fissure sealant with a unique patented colour change feature.

Indications

- Effective protection for the early prevention of caries in enamel pit an fissures

Product Benefits

Clinpro™ Sealant is pink when applied to the tooth surface, and changes to an opaque off white colour when exposed to light. The pink color helps the dental professional with the accuracy and amount of material placed during the sealant procedure.

- Colour-change technology to visualise placement
- Contains and releases fluoride
- Long-lasting protection against caries

Introductory Kit Clinpro™ Sealant Syringes

Item No.	Product Information
12636	**Introductory Kit Syringes** 2 Syringes Sealant, 1.2 ml each, 1 Syringe Scotchbond Etchant 3 ml, 20 Sealant Syringe Tips Black, 25 Etchant Syringe Tips Blue
12631	**Introductory Kit Bottles** 2 Bottles Sealant, 6 ml each, 1 Bottle Scotchbond Etchant 9 ml, 2 Applicator Handle, 60 Single-use Brush Tips, 50 Fibre Tips, 1 Mixing Well
	Refills
12637	1 Syringes Sealant 1.2 ml, 10 Sealant Syringe Tips Black
12632	1 Bottle Sealant 6 ml
12621MW	4 Mixing Wells
12626T	10 Sealant Dispensing Tips
7523	2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid), 50 Application Tips
7523T	25 Application Tips
7423	1 Bottle Scotchbond Etchant 9 ml

Concise™

White Sealant System

Indications

- Fissure Sealing in combination with the acid etching technique

Product Benefits

- Both self-curing and light-curing version available
- Easy application and check due to white colouring
- The integrity of the sealing can be quickly and safely checked by the patient thanks to the white opaque colouring

Introductory Kit Concise™

Item No.	Product Information
	Concise White Sealant – Light Cured
1930	**Introductory Kit** 1 Bottle Scotchbond Etchant 9 ml, 2 Bottles Concise White Sealant Resinpolymer, 6 ml each, 60 Single-use Brush Tips, 1 Mixing Well, 1 Applicator Handle
1930 W	**Refill** 1 Bottle Concise White Sealant Resinpolymer 6 ml
	Concise White Sealant – Self Cured
1910	**Introductory Kit** 1 Bottle Scotchbond Etchant 9 ml, 1 Bottle Concise White Sealant Resin A 6 ml, 1 Bottle Concise White Sealant Resin B 6 ml, 60 Single-use Brush Tips, 1 Application Brush, 1 Mixing Well, 1 Applicator Handle

Not all products of this catalogue are available in all countries.

Zaris™ White & Brite

Tooth Whitening System

Zaris™ White & Brite is an in-office and at-home tooth whitening system that allows an easy way to a brighter smile.

Indications

Zaris™ White & Brite works by neutralising tooth discoloration. As soon as the agent – carbamide peroxide – is activated, oxygen permeates the enamel and reacts with the underlying coloured substances, thus inducing a bleaching effect. This results in whiter and more natural looking teeth.

We recommend bleaching only when the patient meets the following conditions:

- Good oral hygiene
- Healthy gums
- Free of caries
- No anterior restorations

Product Benefits

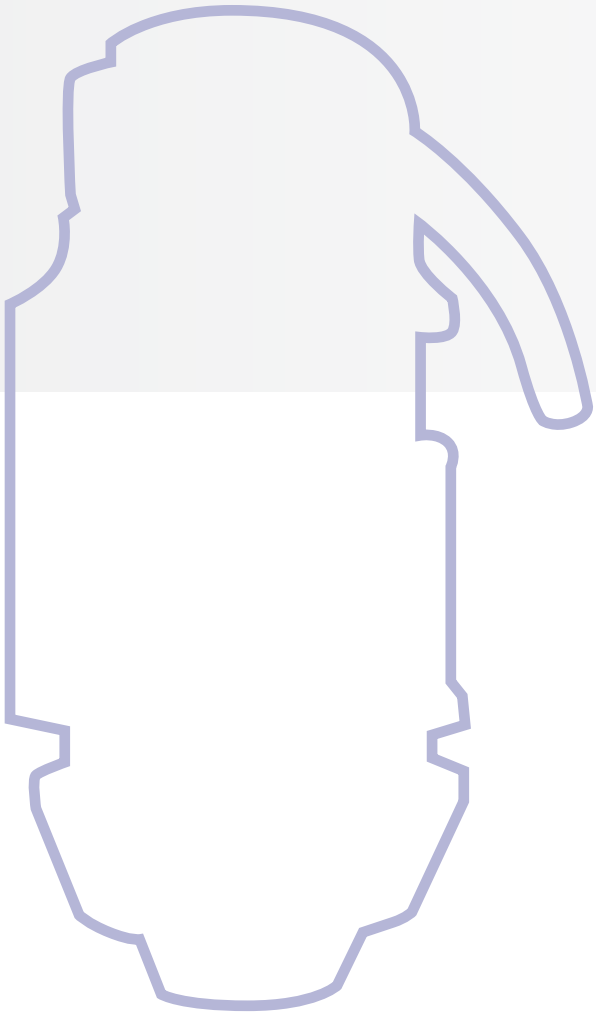
- Simplified tray-technique
- Available in three concentrations (in-office and at-home)
- Calibrated syringes to avoid dispensing excess gel

Zaris™ White & Brite Syringes

Item No.	Product Information
	In-Office-Bleaching
12279	1 Single Syringe Carbamide Peroxide 30%
	At-Home-Bleaching
12271	6 Syringes Carbamide Peroxide 16%
	Touch-Up Kits
12276	2 Syringes Carbamide Peroxide 10%
12277	2 Syringes Carbamide Peroxide 16%

Liners
Glass Ionomer Restoratives
Temporary Restoratives

Liners
Glass Ionomer Restoratives
Temporary Restoratives



Liners

Ketac™ Bond

Ketac™ Bond Aplicap™

Vitrebond™ Plus

Glass Ionomer Restoratives

Ketac™ Molar Aplicap™

Ketac™ Molar Easymix

Ketac™ Molar Quick Aplicap™

Ketac™ Fil Plus

Ketac™ Fil Plus Aplicap™

Photac™ Fil Quick Aplicap™

Vitremer™

Ketac™ Silver

Ketac™ Silver Aplicap™

Ketac™ Silver Maxicap™

Temporary Restoratives

Cavit™

Cavit™-W

Cavit™-G

Accessories for Glass Ionomers

Page 18–25

Glass Ionomer Filling Materials from 3M ESPE

3M ESPE has been developing glass ionomer materials for dentistry throughout the past 30 years. Building on this experience the company has continuously optimized its portfolio to offer a complete line of glass ionomers so you will always find a restorative that fits your specific procedural needs. No matter whether you are looking for a metal-reinforced, a resin-modified or a conventional glass ionomer restorative, and irrespective of whether you are planning to restore a molar or an incisor, and prefer automatic or hand mixing, Ketac™ and other products families by 3M ESPE will offer you a material with the desired properties.

❶ small
❷ non-occlusal areas
❸ semi-permanent

	Class I	Class II	Class III	Class V	Base Material/Liner	Fissure Sealant	Primary Teeth Fillings	Temporary Restoration	Core Build up	Working time (including mixing) min:sec	Setting time (from begin of mix) min:sec
GLASS IONOMER RESTORATIVES											
Ketac™ Molar **Quick Aplicap™** **Aplicap™** **Easymix** High Viscosity Glass Ionomer	❷	❸	●	●	●	●	●	●	●	1:40 2:00 3:00	3:30 4:30 5:00
Ketac™ Fil Plus **Aplicap™** **Handmix Version** Glass Ionomer	❶		●	●		●	●			1:30 2:00	7:00 7:00
Ketac™ Silver **Aplicap™** **Maxicap™** **Handmix Version** Silver Reinforced Glass Ionomer	❶			●	●		●	●	●	2:00 2:00 4:00	5:00 5:00 7:00
Ketac™ Bond **Aplicap™** **Handmix Version** Glass Ionomer					●	●			●	1:45 2:00	4:00 4:00
RESIN MODIFIED GLASS IONOMER RESTORATIVES											
Photac™ Fil Quick Aplicap™ Resin Modified Glass Ionomer	❶❸	❸	●		●	●	●			2:00	
Vitremer™ Resin Modified Glass Ionomer	❸	❸	●	●	●		●	●	●	3:00	
Vitrebond™ Plus Resin Modified Glass Ionomer					●					2:50	5:00
TEMPORARY FILLING MATERIALS											
Cavit™								●			

Not all products of this catalogue are available in all countries.

Ketac™ Bond / Aplicap™

Glass Ionomer Base Material

Ketac™ Bond is a radiopaque glass ionomer base material in handmix version or in the Aplicap™ System from 3M ESPE.

Indications

- Base material for sandwich technique
- Cavity lining
- Extended fissure sealing

Product Benefits

- High radiopacity
- High fluoride release
- The Aplicap™ System offers simple handling, constant working properties and reliable quality

Refill Ketac™ Bond Aplicap

Item No.	Product Information
37390	**Double Pack Ketac Bond Handmix** 2 Powder 10 g each, Shade yellow, 1 Liquid 12 ml
	Refills Ketac Bond Handmix
37330	1 Powder 10 g, Shade yellow
37320	1 Liquid 12 ml
37350	**Refill Ketac Bond Aplicap** 50 Capsules, Shade yellow

Vitrebond™ Plus

Light-Cure Glass Ionomer Liner/Base

Vitrebond™ Plus offers excellent protection and accurate dispensing with its convenient new paste-liquid formula.

Indications

Cavity liner under composite, amalgam, metal and ceramic restorations, i.e.

- Direct anterior and posterior restorations (Classes I, II, III, IV and V)
- Indirect inlays, onlays and veneers
- Sandwich technique

Product Benefits

- Accurate, mess-free dispensing, with no additional hardware required. Click, mix and use.
- Low micro-leakage (comparable to original Vitrebond™ liner/base) – reduces post-op sensitivity
- Reduces the effect of polymerization shrinkage

Single Pack Vitrebond™ Plus

Item No.	Product Information
7571	**Single Pack** 1 Clicker 10 g, 1 Mixing Pad
7572	**Double Pack** 2 Clickers 10 g each, 1 Mixing Pad

Ketac™ Molar

Glass Ionomer Restorative Material

THE DENTAL ADVISOR ++++½

For decades, 3M™ ESPE™ has been the trailblazer in the glass ionomer success story. Ketac™ Molar provides excellent results with little effort for many indications.

Introductory Kit Ketac™ Molar Aplicap™

Indications

- Single-surface fillings in posterior areas
- Core build-ups
- Primary teeth fillings (as amalgam substitute)
- Cervical fillings in posterior region
- Minimally Invasive Dentistry (MID)
- Base material for single- and multiple-surface composite fillings

Product Benefits

- Excellent mechanical properties for posterior teeth
- Bulk-fill convenience
- Ketac™ Molar Quick Aplicap™ – for fast setting posterior restoration

Item No.	Product Information
56632	**Starter Kit Ketac Molar Easymix** 1 Powder 12.5 g, Shade A3, 1 Liquid 10 g, 1 Ketac Conditioner, 1 Ketac Glaze, 1 Mixing Pad, Accessories
56633	**Starter Kit Ketac Molar for M.I. incl. A.R.T.** 1 Powder 15 g, Shade A3, 1 Liquid 10 g, Accessories
	Refills Ketac Molar Easymix
56625	1 Powder 12.5 g, Shade A3
56628	1 Liquid 10 g
	Refills Ketac Molar Aplicap
56410	50 Capsules assorted in the Shades A1, A3, A4, DYO
56430	50 Capsules, Shade A1
56420	50 Capsules, Shade A3
56440	20 Capsules, Shade A4
56450	20 Capsules, Shade DYO
	Refills Ketac Molar Quick Aplicap
56369	50 Capsules assorted in the Shades A1, A2, A3, A4, B2
56366	50 Capsules, Shade A1
56363	50 Capsules, Shade A2
56364	50 Capsules, Shade A3
56367	50 Capsules, Shade A4
56365	50 Capsules, Shade B2
56361	20 Capsules, Shade A2
56360	20 Capsules, Shade A3
56362	20 Capsules, Shade B2

Not all products of this catalogue are available in all countries.

Ketac™ Fil Plus / Aplicap™

Glass Ionomer Filling Material

Ketac™ Fil Plus Glass Ionomer Filling Material is available in a handmix version or in the convenient Aplicap™ System, which offers simple handling, constant working properties and reliable quality.

Indications

- Permanent class III and V restorations
- Permanent class I small restorations
- Primary teeth fillings
- Fissure sealing
- Fillings of cervical erosions
- Fillings prior to crown preparation

Product Benefits

- 8 shades to achieve natural aesthetics
- Expansion coefficient similar to tooth structure
- Radiopaque
- High fluoride release
- Reduces risk of secondary caries due to fluoride release

Introductory Kit Ketac™ Fil Plus Aplicap™

Item No.	Product Information
55291	**Starter Kit Ketac Fil Plus Handmix** 1 Powder 10 g, Shade A3, 1 Liquid 10 g, 1 Ketac Glaze, 1 Ketac Conditioner, Mixing Pad
	Refills Ketac Fil Plus Handmix
55270	1 Powder 10 g, Shade A1 light
55280	1 Powder 10 g, Shade A2 light-yellow
55290	1 Powder 10 g, Shade A3 yellow
55300	1 Powder 10 g, Shade A3.5 brown
55310	1 Powder 10 g, Shade A4 yellow-brown
55330	1 Powder 10 g, Shade C3 grey-brown
55260	1 Liquid 10 g
55000	**Introductory Kit Ketac Fil Plus Aplicap** 50 Capsules assorted in the Shades A2, A3, A3.5, A4, 1 Aplicap Activator, 1 Aplicap Applier, 1 Ketac Conditioner, 1 Ketac Glaze, 1 Mixing Pad, Accessories
	Refills Ketac Fil Plus Aplicap
55010	50 Capsules, assorted in the Shades A2, A3, A3.5, A4
55020	50 Capsules, Shade A1 light
55030	50 Capsules, Shade A2 light-yellow
55040	50 Capsules, Shade A3 yellow
55050	50 Capsules, Shade A3.5 brown
55060	50 Capsules, Shade A4 yellow-brown
55070	50 Capsules, Shade C2 grey
55080	50 Capsules, Shade C3 grey-brown
55090	50 Capsules, Shade DGO dark-grey
55100	**Giant Pack Ketac Fil Plus Aplicap** 300 Capsules, Shade A3

Photac™ Fil Quick Aplicap™

Light-Curing Glass Ionomer Restorative Material

THE DENTAL ADVISOR ++++½

Treatment with Photac™ Fil Quick Aplicap™, means making a perfect glass ionomer filling with just a few quick steps.

Indications

- Primary teeth restorations
- Permanent Class III and V restorations
- Permanent small Class I restorations
- Semi-permanent Class I and II restorations
- Fissure sealing

Product Benefits

- Quick and easy to use, especially with impatient children or anxious patients
- High fluoride release protects against secondary caries

Introductory Kit Photac™ Fil Quick Aplicap™

Item No.	Product Information
61000	**Introductory Kit** 50 Capsules assorted in the Shades A1, A2, A3, A3.5, B2, B3, C4, DBO, 1 Aplicap Activator, 1 Aplicap Applier
	Refills
61090	50 Capsules in the Shades A1, A2, A3, A3.5, B2, B3, C4, DBO
61010	20 Capsules, Shade A1
61020	50 Capsules, Shade A2
61030	50 Capsules, Shade A3
61060	50 Capsules, Shade A3.5
61050	50 Capsules, Shade B2
61040	50 Capsules, Shade B3
61070	20 Capsules, Shade C4
61080	20 Capsules, Shade DBO

Not all products of this catalogue are available in all countries.

Vitremer™

Core Build-up/Restorative

THE DENTAL ADVISOR ++++½

Vitremer™ is a glass ionomer core build-up and restorative material with patented Triple Curing Technology.

Indications

- Core build-ups prior crown placement
- Filling undercuttings in preparation of crowns
- Class I and II restorations in primary teeth
- Permanent class III and V restorations
- Restauration of root caries lesions
- Cavity lining

Product Benefits

- Patented triple curing technology: Light-curing, chemical curing and additive glass ionomer setting reaction
- Highly aesthetic due to 7 standard and 2 special shades
- Low abrasion
- High fluoride release

Introductory Kit Vitremer™

Item No.	Product Information
3303 i	**Introductory Kit** 6 Powders assorted in the Shades A3, A4, C2, C4, Paedo, Blue (5 g each), 1 Primer 6.5 ml, 2 Liquids 8 ml each, 1 Finishing Gloss 6.5 ml, 60 Single-Use Brushes, 50 Application Tips, 1 Mixing Pad (7.5 x 13 cm), 1 Mixing Well, 1 Vitremer Shade Guide, Accessories
3303 MP-A3	**Mini Kit A3** 1 Powder 5 g, Shade A3, 1 Liquid 2.5 ml, 1 Primer 2 ml, 1 Finishing Gloss 2 ml, 10 Empty Capsules Spoon, 1 Mixing Pad
3303 MP-Paedo	**Mini Kit Paedo** 1 Powder 5 g, Shade P (Paedo), 1 Liquid 2.5 ml, 1 Primer 2 ml, 1 Finishing Gloss 2 ml, 10 Empty Capsules Spoon, 1 Mixing Pad
3303 MP-Blue	**Mini Kit Blue** 1 Powder 5 g, Shade Blue (core build-ups), 1 Liquid 2.5 ml, 1 Primer 2 ml, 1 Finishing Gloss 2 ml, 10 Empty Capsules Spoon, 1 Mixing Pad
	Refills
3303 A3	1 Powder 9 g, Shade A3, 1 Scoop
3303 A3.5	1 Powder 9 g, Shade A3.5, 1 Scoop
3303 A4	1 Powder 9 g, Shade A4, 1 Scoop
3303 B2	1 Powder 9 g, Shade B2, 1 Scoop
3303 B3	1 Powder 9 g, Shade B3, 1 Scoop
3303 C2	1 Powder 9 g, Shade C2, 1 Scoop
3303 C4	1 Powder 9 g, Shade C4, 1 Scoop
3303 Paedo	1 Powder 9 g, Shade Paedo (primary tooth restauration), 1 Scoop
3303 P	1 Primer 6.5 ml
3303 L	1 Liquid 8 ml
3303 FG	1 Finishing Gloss 6.5 ml

Ketac™ Silver / Aplicap™ / Maxicap™

Silver Reinforced Glass Ionomer Restorative Material

THE DENTAL ADVISOR ++++½

Ketac Silver restorative is available in a convenient Aplicap™ or Maxicap™ delivery for core build-ups, small posterior and primary tooth restaurations.

Refill Ketac™ Silver Maxicap™

Indications

- Core build-ups prior crown placement
- Permanent class I and V restorations
- Primary teeth fillings

Product Benefits

- Good thermal and electrical insulating properties
- Silver particles are sintered into the glass
- Ketac Silver contains no amalgam

Item No.	Product Information
37800	**Introductory Kit Ketac Silver Handmix** 1 Powder 25g, 1 Liquid 12 ml, 1 Mixing Pad
	Refills Ketac Silver Handmix
37810	1 Powder 25 g
37820	1 Liquid 12 ml
37006	**Introductory Kit Ketac Silver Aplicap** 50 Aplicap Capsules, 1 Aplicap Activator, 1 Aplicap Applier, 1 Ketac Conditioner, 1 Ketac Glaze
56203	**Introductory Kit Ketac Silver Maxicap** 50 Maxicap Capsule, 1 Maxicap Activator, 1 Maxicap Applier
	Refills Ketac Silver Aplicap / Maxicap
37010	50 Aplicap Capsules
56210	50 Maxicap Capsules
37030	**Giant Pack Ketac Silver Aplicap** 300 Aplicap Capsules

Cavit™ / Cavit™-W / Cavit™-G

Temporary Filling Material

Cavit™ is the Evergreen from 3M ESPE.

Normal Pack Cavit™

Indications

- Cavit (high surface hardness):
  Temporary filling of occlusion-loaded restorations
- Cavit-W (reduced final hardness, increased adhesion):
  Temporary filling after endodontic treatments
- Cavit-G (removable completely without burs):
  Inlay-preparation

Product Benefits

- Proven filling material for temporary fillings
- Simple to apply with filling instrument
- Quick and void-free curing in a moist environment

Item No.	Product Information
	Normal Packs
44351	**Cavit** 10 Tubes, 7 g each
44350	**Cavit-W** 10 Tubes, 7 g each
	Refill Packs
44030	**Cavit** 1 Glass with Screw-on lid 28 g
44130	**Cavit-W** 1 Glass with Screw-on lid 28 g
44313	**Cavit-G** 1 Glass with Screw-on lid 28 g

Not all products of this catalogue are available in all countries.

Accessories

for Glass Ionomers

Item No.	Product Information
	Mixing Pads for Glass Ionomers
1961 P	4 Mixing Pads (6.5 x 7.5 cm)
70128	10 Mixing Pads small (15.4 x 8.7 cm)
70144	10 Mixing Pads universal (8 x 7 cm)
70190	10 Mixing Pads large (18 x 12.5 cm)
70180	10 Mixing Pads extra large (24 x 15 cm)
	Ketac™ Conditioner for Dentin Pre-Treatment
37470	1 Liquid 10 ml
37190	**Ketac™ Glaze Light Curing Glaze** 1 Bottle 2.5 g
3303 FG	**Vitremer™ Finishing Gloss** 1 Bottle 6.5 ml
3303 P	**Vitremer™ Primer** 1 Bottle 6.5 ml

Item No.	Product Information
	Aplicap™ / Maxicap™ Accessories
73040	1 Aplicap Activator
73050	1 Aplicap Applier
73060	1 Maxicap Activator
73070	1 Maxicap Applier
3303 DT	50 Application Tips with pistons for Vitremer
37180	1 Combi Pack Maxicap Activator/Applier
37160	1 Combi Pack Aplicap Activator/Applier

Adhesive Systems
Composite Restoratives

Adhesive Systems Composite Restoratives

Adhesive Systems

Adper™ Easy Bond

Adper™ Scotchbond™ 1 XT

Adper™ Prompt™ L-Pop™

Adper™ Scotchbond™ Multi-Purpose

Adper™ Scotchbond™ Multi-Purpose Plus

Scotchbond™ Etchant

Scotchbond™ Dual Cure

Accessories for Adhesives, Composites and Compomers

Composite Restoratives

New!

Filtek™ Supreme XTE Universal Restorative

Filtek™ Supreme XTE Flowable Restorative

Filtek™ Z500

Filtek™ Z250

Z100™ MP

F2000 Compomer

Filtek™ Silorane

Filtek™ P60

Concise™ Composite

Finishing and Polishing System

Sof-Lex™ Polishing Discs

Sof-Lex™ Finishing Strips

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Adhesive Solutions from 3M ESPE

Every day, dental professionals help us identify their needs. And scientists at 3M ESPE have leveraged 3M's unmatched knowledge in adhesive technology to meet those needs with a full line of high-performance products. No matter how you like to work, we have you covered.

	Adper™ Easy Bond Self-Etch Adhesive	**Adper™ Prompt™ L-Pop™** Self-Etch Adhesive	**Adper™ Scotchbond™ 1XT** Total-Etch Adhesive	**Adper™ Scotchbond™** Multi-Purpose Adhesive
HANDLING				
Technique	Self-Etch	Self-Etch	Total-Etch	Total-Etch
Components	or		or	
Unit-dose delivery	●	●	●	
Works on wet or dry dentin*	●	●	●	●
PROPERTIES				
Film thickness	approximately 10 µm	approximately 10 µm	approximately 10 µm	approximately 20 µm
Filled	●		●	
Visual Control		❶		
APPLICATION TIME	35 seconds	43 seconds	57 seconds	48 seconds
INDICATIONS				
Direct	●	●	●	●
Indirect	❷		❷	❸
Desensitization of root surfaces	●	●	●	
Sealants		●		

*Desiccation not recommended with any 3M ESPE adhesive product. All 3M ESPE adhesives are designed to tolerate a wide range of surface moisture conditions.

❶ Activation Control: Visible control indicates whether or not the L-Pop™ system has been adequately activated.

❷ When used in combination with 3M™ ESPE™ RelyX™ ARC Adhesive Resin Cement.

❸ For these indications, the additional components of the Adper™ Scotchbond™ Multi-Purpose Plus Adhesive System (bottle activator/bottle catalyst) are required.

Not all products of this catalogue are available in all countries.

Adper™ Easy Bond

Self-Etch Adhesive

Adper™ Easy Bond Self-Etch Adhesive is a simple one component, one coat, self-etch adhesive solution.

Indications

- All classes of fillings with light-curing composite or compomer
- Core build-ups made of light-curing composite
- Repair of composite or compomer fillings
- Root surface desensitization
- Intraoral repair of existing composite, porcelain fused to metal, and all ceramic restorations
- Cementation of indirect restorations (composite or compomer, ceramic and metal, after light-curing and when combined with 3M™ ESPE™ RelyX™ ARC Adhesive Resin Cement

Product Benefits

In addition to being fast and moisture tolerant, it offers:

- Strong and consistent bond performance
- Virtually no post-operative sensitivity
- Self-etch with selective enamel etch option

Introductory Pack Unit Dose Adper™ Easy Bond

Item No.	Product Information
41245	**Introductory Kit** 1 Bottle Adhesive Vial 5 ml, 50 Disposable Mixing wells, 50 Disposable Microbrushes
41246	**Refill** 1 Bottle Adhesive Vial 5 ml
41248	**Introductory Pack Unit Dose** 40 Unit Dose
41249	**Giant Pack Unit Dose** 100 Unit Dose
41252	**Bulk Pack Unit Dose** 200 Unit Dose

Adper™ Scotchbond™ 1 XT

Total-Etch Adhesive

Adper™ Scotchbond™ 1 XT Adhesive offers greater confidence.

Indications

- Direct, light-cured composite and compomer restorations
- Bonding of ceramic veneers in combination with 3M™ ESPE™ RelyX™ Veneer Cement
- Indirect restorations made of metal, ceramic or composite in combination with 3M™ ESPE™ RelyX™ ARC Adhesive Resin Cement
- Desensitisation of sensitive cervical areas
- Corrections and repairs to ceramics, PFM and composite restorations

Product Benefits

- Superior bond strength provides exceptional bonding performance
- Nanofiller is stable and will not settle – no shaking required
- Compatible with all light-cured composite restoratives available today

Normal Pack Unit Dose Adper™ Scotchbond™ 1 XT

Item No.	Product Information
4241	**Introductory Kit** 1 Bottle Adhesive 6 ml, 2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid), 25 Application Tips for Scotchbond Etchant, 48 Single-Use Mixing Wells, 60 Single-Use Brush Tips, 1 Brush Handle
	Refills
4242	1 Bottle Adhesive 6 ml
51010	**Normal Pack Unit Dose** 40 Adper Scotchbond 1 XT Unit Dose 4.8 ml, 1 Syringe Scotchbond Etchant 3 ml (Phosphoric Acid), 25 Application Tips for Scotchbond Etchant
51011	**Giant Pack Unit Dose** 100 Adper Scotchbond 1 XT Unit Dose 12.0 ml, 1 Syringe Scotchbond Etchant 3 ml (Phosphoric Acid), 25 Application Tips for Scotchbond Etchant

Adper™ Prompt™ L-Pop

Self-Etch Adhesive

Adper™ Prompt™ L-Pop is an all-in-one adhesive in the innovative L-Pop for direct restorations.

Indications

- Adhesive for conventional light-cured composite and compomer restoratives
- Adhesive for pit and fissure sealants
- Desensitization of exposed root surfaces

Product Benefits

- Bonds to dentin, cut enamel and uncut enamel without separate etch step
- Clinically proven – over 100 million applications
- Reduces the risk of post-operative sensitivity, desensitizes hypersensitive root surface
- Yellow colour of the mixture for excellent visual control

Giant Pack Adper™ Prompt™ L-Pop™

Item No.	Product Information
41925	**Normal Pack** 40 Adper Prompt L-Pop (4.8 ml) with Standard/Red Single-Use Applicators M
41926	**Giant Pack** 100 Adper Prompt L-Pop (12.0 ml) with Standard/Red Single-Use Applicators M
41928	**Economy Pack** 500 Adper Prompt L-Pop (60 ml) with Standard/Red Single-Use Applicators M
41923	**Mini Pack** 20 Adper Prompt L-Pop (2.4 ml) with Fine/Yellow Single-Use Applicators XS

Adper™ Scotchbond™

Multi-Purpose Adhesive

Adper™ Scotchbond™ Multi-Purpose Adhesive has a proven, long-term clinical history of strength and reliability.

Indications

- Direct, light-cured composite and compomer restorations
- Bonding of ceramic veneers in combination with 3M™ ESPE™ RelyX™ Veneer Cement
- Corrections and repairs to ceramics, PFM and composite restorations

Product Benefits

- Complete dental bonding system with dual-cure capabilities
- Allows confident use for any application
- Creates strong and reliable bonds both to wet and dry surfaces

Introductory Kit Adper™ Scotchbond™ MP

Item No.	Product Information
7540S	**Introductory Kit** 1 Bottle Primer 8 ml, 1 Bottle Adhesive 8 ml, 2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid), 25 Application Tips for Scotchbond Etchant, 60 Single-Use Brushes, 3 Applicator Handles, 1 Mixing Well
	Refills
7542	1 Bottle Primer 8 ml
7543	1 Bottle Adhesive 8 ml
7523	2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid), 50 Application Tips
2721	1 RelyX Ceramic Primer, 5 ml

Not all products of this catalogue are available in all countries.

Adper™ Scotchbond™

Multi-Purpose Plus

THE DENTAL ADVISOR 2007 Preferred Product +++++

Adper™ Scotchbond™ Multi-Purpose Plus offers additional indications with components of the Adper™ Scotchbond™ Multi-Purpose Adhesive system.

Indications

- Luting of indirect restorations including Maryland bridges and posts with 3M™ ESPE™ RelyX™ ARC Resin Cement
- Bonding of orthodontic brackets

Product Benefits

- Dual-curing
- One system for all indications
- Bonds extremely well to enamel and dentin

Refill Bottle Adper™ Scotchbond™ Adhesive

Item No.	Product Information
	Refills
7542	1 Bottle Primer 8 ml
7543	1 Bottle Adhesive 8 ml
7546	1 Bottle Activator 4 ml
7547	1 Bottle Catalyst 4 ml
2721	1 Bottle RelyX Ceramic Primer 5 ml
7523	2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid), 50 Application Tips

Scotchbond™ Etchant

Phosphoric Acid for Enamel and Dentin Etching

Product Benefits

- Contains 35% phosphoric acid
- The syringe version is coloured blue, which makes precise application easier
- The flexible tip can be individually adjusted before application
- The bottle version has a new low-viscosity gel-like consistency
- Does not dry out and retains its consistency
- Etching liquid is a thin fluid and contains 37% phosphoric acid

Refill Scotchbond™ Etchant

Item No.	Product Information
	Refills
7523	2 Syringes Scotchbond Etchant, 3 ml each (Phosphoric Acid) 50 Application Tips
7523 T	25 Application Tips
7423	1 Bottle Scotchbond Etchant 9 ml
1923	1 Bottle Etching Liquid 9 ml

Scotchbond™ Dual Cure

Adhesive System

Indications

- Cavities of all classes
- Lining of sensitive cervical areas

Product Benefits

- Dual-curing
- Tried-and-tested system

Introductory Kit Scotchbond™ Dual Cure

Item No.	Product Information
7535	**Introductory Kit** 1 Bottle Solution 1 (Liquid) 5 ml, 1 Bottle Solution 2 (Resin) 5 ml, 1 Bottle Scotchbond Etchant 9 ml (Phosphoric Acid), 1 Mixing Well, 2 Application Brushes
	Refills
7533 L	1 Bottle Solution 1 (Liquid) 5 ml
7533 R	1 Bottle Solution 2 (Resin) 5 ml
7423	1 Bottle Scotchbond Etchant 9 ml (Phosphoric Acid)

Not all products of this catalogue are available in all countries.

Accessories

for Adhesives, Composites and Compomers

Item No.	Product Information
	Refills
1919 B	60 Single-Use Brush Tips
1919 F	100 Single-use Application Tips
3303 DT	50 Application Tips with Piston for Vitremer
3402	120 Bendable Applicator Brushes (blue, green, red, yellow)
1994 S	50 Mixing Sticks
7522 S	200 Mini-Sponges
5707 SD	1 Capsule Dispenser
1919	3 Handpieces, coloured, 12 Single-Use Brush Tips

Item No.	Product Information
1961 P	4 Mixing Pads (6.5 cm x 7.5 cm) for Glass Ionomers
1994 P	10 3M ESPE Concise Mixing Pads (5 cm x 4 cm)
7544	4 Mixing Wells for Adhesives
3401 W	96 Disposable Mixing Wells (white)
42380	50 Brushes M (Regular, Grey Single-Use applicators)
41904	50 Brushes XS (Fine, Yellow Single-Use applicators)
47801	80 Single-Use Brushes
74088	1 Brush Grip for Single-Use Brushes

Universal Restoratives from 3M ESPE

A trusted leader in composite filling materials, 3M ESPE provides you with a range of dental restoratives that stand for reliable clinical performance. Through the incorporation of nano technology in some universal as well as flowable composites, 3M ESPE has been first to combine lasting polish, easy handling, high strength and wear resistance into one single product, a nanocomposite. An additional achievement was the invention of a new matrix technology for a posterior composite with minimized polymerization shrinkage. Take a look at the diverse products in different price categories to learn more about their benefits.

❶ small ❷ repair of resin and acrylic temporary materials (e.g. Protemp™ 4)

Indications	Class I	Class II	Class III	Class IV	Class V	Base Material/ Liner	Fissure Sealant	Primary Teeth Fillings	Temporary Restoration	Core Build up	Indirect Inlays, Onlays, Veneers
COMPOSITE RESTORATIVE											
Filtek™ Supreme XTE Universal Composite	●	●	●	●	●			●		●	●
Filtek™ Supreme XTE Flowable Flowable Composite			●		❶	●	●		❷		
Filtek™ Z500 Universal Restorative	●	●	●	●	●			●		●	●
Filtek™ Silorane Low-Shrink Posterior Composite	●	●									
Filtek™ Z250 Universal Composite	●	●	●	●	●			●		●	●
Z100™ MP Universal Composite	●	●	●	●	●			●			●
Filtek™ P60 High Viscosity Composite	●	●								●	●
COMPOMERE											
F2000 Compomere Restorative	●	●	●	●		●		●		●	
FISSURE SEALANT											
Clinpro™ Sealant Composite Fissure Sealant							●				

Not all products of this catalogue are available in all countries.

Filtek™ Supreme XTE

Universal Restorative

New!

THE DENTAL ADVISOR ++++½

Filtek™ Supreme XTE is a high-performance, versatile nanocomposite: Lifelike aesthetics and exceptional strength for long-lasting anterior and posterior restorations.

Professional Kit Filtek™ Supreme XTE Capsules

Indications

- Direct anterior and posterior restorations (Classes I, II, III, IV and V)
- Minimally Invasive Dentistry (MID)
- Sandwich technique with glass ionomer resin material
- Cusp buildup
- Core buildup
- Splinting
- Indirect anterior and posterior restorations including inlays, onlays and veneers

Product Benefits

Lifelike aesthetics:

- Excellent polish and polish rentention
- Wide range of shades and opacities
- Improved fluorescence

Simple to Use:

- Exceptional handling
- More body shades for single-shade restorations
- Capsules and syringes are color-coded by opacity
- Bold, easy-to-read labels

Unique nanofiller technology:

- Better polish retention than a microfill
- Wears better than leading competitors
- Outstanding strength for anterior and posterior use

Item No.	Product Information
4911S	**Introductory Kit Single Shade Capsules** 40 Capsules, 0.2 g each, in the Body Shades A2 and A3 (20 each), Technique Guides
4910S	**Introductory Kit Single Shade Syringes** 4 Syringes, 3 g each, in the Body Shades A2 and A3 (2 each), Technique Guides
4911D	**Introductory Kit Dual Shade Capsules** 40 Capsules, 0.2 g each, in the Dentin Shades A3, A4 and Enamel Shades A2, A3 (10 each), 1 Shade Selection Wheel; Technique Guides
4910D	**Introductory Kit Dual Shade Syringes** 4 Syringes, 3 g each, in the Dentin shades A3, A4 and Enamel Shades A2, A3 (1 each), 1 Shade Selection Wheel; Technique Guides
4911P	**Professional Kit Capsules** 160 Capsules, 0.2 g each: 10 each of Dentin Shades: A2, A3, A4; 20 each of Body Shades: A2, A3, A3.5, A4; 10 each of Enamel shades: A1, A2, A3, W; 10 each of Translucent shades: AT; In plastic reusable case; 1 Shade selection Wheel; Technique Guides
4910P	**Professional Kit Syringes** 12 Syringes, 3 g each, in the Dentin Shades A2, A3, A4, Body Shades A2, A3, A3.5, A4, Enamel Shades A1, A2, A3, W and Translucent Shades: AT, 1 Shade Selection Wheel, Technique Guides

Refills

Dentine Shades	Syringes	Capsules
A1D	**4910A1D**	**4911A1D**
A2D	**4910A2D**	**4911A2D**
A3D	**4910A3D**	**4911A3D**
A4D	**4910A4D**	**4911A4D**
B3D	**4910B3D**	**4911B3D**
C4D	**4910C4D**	**4911C4D**
WD (white)	**4910WD**	**4911WD**
Body Shades	**Syringes**	**Capsules**
A1B	**4910A1B**	**4911A1B**
A2B	**4910A2B**	**4911A2B**
A3B	**4910A3B**	**4911A3B**
A3.5B	**4910A3.5B**	**4911A3.5B**
A4B	**4910A4B**	**4911A4B**
A6B	**4910A6B**	**4911A6B**
B1B	**4910B1B**	**4911B1B**
B2B	**4910B2B**	**4911B2B**
B3B	**4910B3B**	**4911B3B**
B5B	**4910B5B**	**4911B5B**
C1B	**4910C1B**	**4911C1B**
C2B	**4910C2B**	**4911C2B**
C3B	**4910C3B**	**4911C3B**
D2B	**4910D2B**	**4911D2B**
D3B	**4910D3B**	**4911D3B**
WB (white)	**4910WB**	**4911WB**
XWB (extra white)	**4910XWB**	**4911XWB**
Enamel Shades	**Syringes**	**Capsules**
A1E	**4910A1E**	**4911A1E**
A2E	**4910A2E**	**4911A2E**
A3E	**4910A3E**	**4911A3E**
B1E	**4910B1E**	**4911B1E**
B2E	**4910B2E**	**4911B2E**
D2E	**4910D2E**	**4911D2E**
WE (white)	**4910WE**	**4911WE**
XWE (extra white)	**4910XWE**	**4911XWE**
Translucent Shades	**Syringes**	**Capsules**
CT (clear)	**4910CT**	**4911CT**
BT (blue)	**4910BT**	**4911BT**
GT (grey)	**4910GT**	**4911GT**
AT (amber)	**4910AT**	**4911AT**

1 Refill Syringes includes 1 Syringe, 3 g

1 Refill Capsules Dentine, Enamel and Translucent Shades includes 10 Capsules, 0.2 g each

1 Refill Capsules Body Shades includes 20 Capsules, 0.2 g each

Filtek™ Supreme XTE Flowable

New!

Flowable Restorative

Filtek™ Supreme XTE Flowable Restorative offers flow-on-demand handling from either capsules or syringes.

Indications

- Base/liner under direct restorations
- Undercut blockout
- Class III and V restorations
- Restoration of minimally invasive cavity preparations (including small, nonstress-bearing occlusal restorations)
- Repair of small defects in aesthetic indirect restorations
- Pit and fissure sealant
- Repair of resin and acrylic temporary materials

Product Benefits

- Excellent aesthetics
- Unsurpassed polish retention*
- Low wear

*Versus competitive materials tested

Refill Filtek™ Supreme XTE Flowable Syringes A3

Refills

Shades	Syringes	Capsules
A1	**4920A1**	**4921A1**
A2	**4920A2**	**4921A2**
A3	**4920A3**	**4921A3**
A3.5	**4920A3.5**	**4921A3.5**
A4	**4920A4**	**4921A4**
B1	**4920B1**	**4921B1**
B2	**4920B2**	**4921B2**
C2	**4920C2**	**4921C2**
D2	**4920D2**	**4921D2**
W (white)	**4920W**	**4921W**
XW (extra white)	**4920XW**	**4921XW**
OA3	**49200A3**	**49210A3**

1 Refill Syringes A Shades includes 2 Syringes, 2.0 g each, 20 Dispensing Tips
All other Refills Syringes include 1 Syringe, 2.0 g, 20 Dispensing Tips
1 Refill Capsules A Shades includes 20 Capsules, 0.2 g each
All other Refills Capsules include 10 Capsules, 0.2 g each

Not all products of this catalogue are available in all countries.

Filtek™ Z500

Universal Restorative

New!

Our proven Z-line (Z100™, Filtek™ Z250) has been improved with nanotechnology. The result: Filtek™ Z500 restorative, with reduced stickness for optimal handling.

Starter Kit Filtek™ Z500 Syringes

Indications

- Direct anterior and posterior restorations (including occlusal surfaces
- Sandwich technique with glass ionomer resin material
- Core build-up
- Splinting
- Indirect anterior and posterior restorations including inlays, onlays and veneers

Product Benefits

- Easily sculptable and non-sticky
- Good polish retention and low wear
- Available in 8 universal shades and one opaque shade

Item No.	Product Information
8020TP	**Starter Kit Syringes** 3 Syringes, 3 g each, in the Shades A2, A3, A3.5
8021TP	**Starter Kit Capsules** 60 Capsules, 0.2 g each, in the Shades A2, A3, A3.5 (20 each)

Refills

Shades	Syringes	Capsules
A1	**8020A1**	**8021A1**
A2	**8020A2**	**8021A2**
A3	**8020A3**	**8021A3**
A3.5	**8020A3.5**	**8021A3.5**
A4	**8020A4**	**8021A4**
B2	**8020B2**	**8021B2**
C2	**8020C2**	**8021C2**
D2	**8020D2**	**8021D2**
OA3	**80200A3**	**80210A3**

1 Refill Syringes includes 1 Syringe, 3 g
1 Refill Capsules includes 20 Capsules, 0.2 g each

Filtek™ Z250

Universal Restorative System

THE DENTAL ADVISOR ++++

Filtek™ Z250 Universal Restorative with the reliable hybrid technology of 3M ESPE, has been proven over a million times. It is ideally suited for convenient single-shade restorations in the anterior and especially in the posterior region.

Introductory Kit Filtek™ Z250 Syringes

Indications

- Direct anterior and posterior restorations
- Indirect inlays, onlays and veneers
- Sandwich technique
- Core build-up
- Cusp build-up
- Splinting

Product Benefits

- Long-term clinical experience
- Easily sculptable and virtually non-sticky
- Patented zirconium/silica filler for contrast rich radiopacity

Item No.	Product Information
6020	**Introductory Kit Syringes** 4 Syringes, 4 g each in the Shades A2, A3.5, A4, B3, 1 Bottle Sotchbond 1 XT Adhesive 3 ml, 1 Syringe Scotchbond Etchant 3 ml, Accessories, Shade Guide, Trial Kit Sof-Lex Pop-On XT Polishing Discs

Refills

Shades	Syringes	Capsules
A1	**6020A1**	**6021A1**
A2	**6020A2**	**6021A2**
A3	**6020A3**	**6021A3**
A3.5	**6020A3.5**	**6021A3.5**
A4	**6020A4**	**6021A4**
B1	**6020B1**	**6021B1**
B2	**6020B2**	**6021B2**
B3	**6020B3**	**6021B3**
C2	**6020C2**	**6021C2**
D3	**6020D3**	**6021D3**
I	**6020I**	**6021I**
UD	**6020UD**	**6021UD**

1 Refill Syringes includes 1 Syringe, 4 g
1 Refill Capsules includes 20 Capsules, 0.2 g each

Z100™ MP

Restorative System

Z100™ MP Restorative material is a visible light-activated, radiopaque, restorative composite designed for use in both anterior and posterior restorations.

Introductory Kit Z100™ MP Syringes

Indications

- Direct anterior and posterior restorations (Classes I, II, III, IV and V)
- Indirect inlays, onlays and veneers
- Sandwich technique

Product Benefits

- Maximum wear resistance and fracture toughness
- Excellent polishability
- Blends with surrounding tooth colour for a more natural finish

Item No.	Product Information
3021 SB	**Introductory Kit Syringes** 4 Syringes, 4 g each in the Shades A2, A3, A3.5, B2, 1 Bottle Adper Sccotchbond 1 XT Adhesive 3 ml, 1 Syringe Scotchbond Etchant (Phosphoric Acid) 3 ml, 2 Handpieces, 1 Mixing Well, 1 Mixing Pad, 20 Bendable Application Brushes, 25 Application Tips, 25 Application Tips for Etching-Gel Syringe, 1 Shade Guide

Refills

Shades	Syringes	Capsules
A1	**3021A1**	**3022A1**
A2	**3021A2**	**3022A2**
A3	**3021A3**	**3022A3**
A3.5	**3021A3.5**	**3022A3.5**
A4	**3021A4**	**3022A4**
B2	**3021B2**	**3022B2**
B3	**3021B3**	**3022B3**
C2	**3021C2**	**3022C2**
UD (Universal Dentin)	**3023UD**	**3024UD**
P (primery tooth restoration)	**3023P**	**3024P**
CY (Cervical-yellow)	**3023CY**	**3024CY**

1 Refill Syringes includes 1 Syringe, 4g
1 Refill Capsules A Shades includes 18 Capsules, 0.2 g each
All other Refill Capsules include 9 Capsules, 0.2 g each

F2000

Compomer Restorative System

Light cured compomer filling material in capsules.

Refill F2000 Capsules

Indications

- Direct restorations class III and V
- Root caries lesions
- Class II laminate or open sandwich technique
- Class I and class II cavities in primary teeth
- Core build-ups
- Class I and II restorations with cavities less than two thirds of the intercuspal distance

Product Benefits

- Fluoride release
- Easy to model, does not stick to the instrument
- Excellent marginal sealing
- Radiopaque, light-cured

Item No.	Product Information
	Refills Capsules
2021 A2	20 Capsules, 0.2 g each, Shade A2
2021 A3	20 Capsules, 0.2 g each, Shade A3
2021 A3.5	20 Capsules, 0.2 g each, Shade A3.5
2021 A4	20 Capsules, 0.2 g each, Shade A4
2021 B2	20 Capsules, 0.2 g each, Shade B2
2021 B3	20 Capsules, 0.2 g each, Shade B3
2021 C2	20 Capsules, 0.2 g each, Shade C2
2021 Blue	20 Capsules, 0.2 g each, Shade Blue
2021 P	20 Capsules, 0.2 g each, Shade Pedo
	Refills
2024	1 Clicker/Adhesive System 2.6 ml
41926	100 Adper Prompt L-Pop (12 ml)
2024 W	4 Mixing Wells

Not all products of this catalogue are available in all countries.

Filtek™ Silorane

Low Shrink Posterior Restorative

Filtek™ Silorane is together with Silorane System Adhesive Self-Etch Primer and Bond a system for direct, posterior restorative fillings, based on 3M ESPE's breakthrough innovation in silorane chemistry.

Indications

- Class I
- Class II

Filtek™ Silorane Restorative and Silorane system adhesive may be used together with glass ionomer cements or resin-modified glass ionomer cements, as cavity liners or bases.

Product Benefits

This milestone innovation combines lowest volumetric shrinkage and excellent strength with biocompatibility for long-lasting posterior restorations.

- Lowest shrinkage to minimise polymerisation stress
- The Filtek™ Silorane Restorative System is a key to excellent margins
- Clinically proven strength and durability – and very low post-operative sensitivities

Introductory Kit Filtek™ Silorane Capsules

Item No.	Product Information
4771I	**Introductory Kit Capsules** 80 Capsules, 0.2 g each (4 Bottles with 20 Capsules each), 2 Bottles in the Shade A2, 2 Bottles in the Shade A3, 1 Vial Primer 5 ml, 1 Vial Bond 5 ml, 100 Microbrushes (50 black, 50 green), 1 Mixing Well, 1 Shade Guide
4772I	**Introductory Kit Syringes** 4 Syringes, 4 g each, 2 Syringes in the Shade A2, 2 Syringes in the Shade A3, 1 Vial Primer 5 ml, 1 Vial Bond 5 ml, 100 Microbrushes (50 black, 50 green), 1 Mixing Well, 1 Shade Guide
4771TK	**Trial Kit Capsules** 20 Capsules, 0.2 g each, Shade A3, 1 Vial Primer 5 ml, 1 Vial Bond 5 ml, 100 Microbrushes (50 black, 50 green), 1 Mixing Well
4772TK	**Trial Kit Syringes** 1 Syringe, 4 g, Shade A3, 1 Vial Primer 5 ml, 1 Vial Bond 5 ml, 100 Microbrushes (50 black, 50 green), 1 Mixing Well
	Refills Capsules
4771A2	20 Capsules, 0.2 g each, Shade A2
4771A3	20 Capsules, 0.2 g each, Shade A3
4771C2	20 Capsules, 0.2 g each, Shade C2
	Refills Syringes
4772A2	1 Syringe, 4 g, Shade A2
4772A3	1 Syringe, 4 g, Shade A3
4772C2	1 Syringe, 4 g, Shade C2
	Refills Silorane System Adhesive
4773	1 Vial Primer 5 ml, 1 Vial Bond 5 ml, 100 Microbrushes (50 black, 50 green)
4773P	1 Vial Primer 5 ml
4773B	1 Vial Bond 5 ml

Filtek™ P60

Posterior Restorative System

Filtek™ P60 is the packable composite for posterior restorations.

Indications

- Direct posterior restorations class I and II
- Sandwich technique
- Core build-up

Product Benefits

- Superior packability
- Fast curing-time – only 20 sec. to cure an increment of 2.5 mm
- Low polymerisation shrinkage

Introductory Kit Filtek™ P60

Item No.	Product Information
4720	**Introductory Kit** 3 Syringes, 4 g each in the Shades A3, B2, C2, 1 Bottle Adper Sotchbond 1 XT Adhesive 3 ml, 1 Syringe Scotchbond Etchant 3 ml, Accessories, Shade Guide
	Refills
4720 A3	1 Syringe 4 g, Shade A3
4720 B2	1 Syringe 4 g, Shade B2
4720 C2	1 Syringe 4 g, Shade C2

Concise™ Composite

Composite for Anterior Restorations Paste/Paste System

Introductory Kit Concise™

Item No.	Product Information
1925	**Introductory Kit** 1 Concise Paste A 16 g, 1 Concise Paste B 16 g (Paste B is the Catalyst for Paste A), 50 Mixing Sticks, 1 Mixing Pad (5 x 4 cm)

Not all products of this catalogue are available in all countries.

Sof-Lex™

Finishing and Polishing System

Sof-Lex™ Finishing and Polishing System is a color-coded, sequential system of discs, strips and easy-to-use mandrels and continues to provide unparalleled, efficiently achieved results.

Indications

- Sof-Lex polishing discs and finishing strips for polishing of composite, compomer, metal and ceramic
- Sof-Lex polishing discs for facial and lingual margins of anterior and posterior restorations
- Sof-Lex finishing strips for interproximal area

Product Benefits

Sof-Lex Polishing Discs:

- Flexible polishing discs with aluminium oxide coating
- Four different abrasive grades (coarse to superfine) and two disc thicknesses (normal and extra thin)
- Each abrasive grade is identified by a special colour coding system
- Discs can be easily changed due to the patented Pop-On mandrel system
- Fracture resistant and sterilisable metal mandrel

Sof-Lex Finishing Strips:

- Thin, flexible backing with aluminium oxide coating
- Centre gapped strip with two abrasive grades per strip, which allows interproximal access
- Three different types (fine/superfine, coarse/medium, coarse/medium [narrow])

Introductory Kit Sof-Lex™ Finishing Strips

Abrasive Grades			
Superfine (1–7 µm)	Fine (3–9 µm)	Medium (10–40 µm)	Coarse (50–90 µm)
Sof-Lex™ Polishing Discs			
1958SF 1982SF 1981SF	1958F 1982F 1981F	1958M 1982M 1981M	1958C 1982C 1981C
Sof-Lex™ Polishing Discs XT (Extra Thin)			
2382SF 2381SF	2382F 2381F	2382M 2381M	2382C 2381C
Sof-Lex™ Finishing Strips			
SF F 1956		M C 1954 1954N	

Item No.	Product Information
1980	**Introductory Kit Sof-Lex Polishing Discs** 120 Sof-Lex Pop-On Polishing Discs; superfine, fine, medium, coarse 30 pcs each; Ø 9.5 mm, 120 Sof-Lex Pop-On Polishing Discs; superfine, fine, medium, coarse 30 pcs each; Ø 12.7 mm, 1 RA mandrel
	Refill Sof-Lex Polishing Discs Ø 9.5 mm
1981 SF	85 Sof-Lex Pop-On Polishing Discs, superfine, Ø 9.5 mm
1981 F	85 Sof-Lex Pop-On Polishing Discs, fine, Ø 9.5 mm
1981 M	85 Sof-Lex Pop-On Polishing Discs, medium, Ø 9.5 mm
1981 C	85 Sof-Lex Pop-On Polishing Discs, coarse, Ø 9.5 mm
	Refill Sof-Lex Polishing Discs Ø 12.7 mm
1982 SF	85 Sof-Lex Pop-On Polishing Discs, superfine, Ø 12.7 mm
1982 F	85 Sof-Lex Pop-On Polishing Discs, fine, Ø 12.7 mm
1982 M	85 Sof-Lex Pop-On Polishing Discs, medium, Ø 12.7 mm
1982 C	85 Sof-Lex Pop-On Polishing Discs, coarse, Ø 12.7 mm
2380	**Introductory Kit Sof-Lex XT Polishing Discs (extra thin)** 120 Sof-Lex XT Pop-On Polishing Discs, superfine, fine, medium, coarse; 30 pcs each; Ø 9.5 mm, 120 Sof-Lex XT Pop-On Polishing Discs, superfine, fine, medium, coarse; 30 pcs each; Ø 12.7 mm, 1 RA mandrel
	Refill Sof-Lex XT Polishing Discs Ø 9.5 mm (extra thin)
2381 SF	85 Sof-Lex Pop-On Polishing Discs, superfine, Ø 9.5 mm
2381 F	85 Sof-Lex Pop-On Polishing Discs, fine, Ø 9.5 mm
2381 M	85 Sof-Lex Pop-On Polishing Discs, medium, Ø 9.5 mm
2381 C	85 Sof-Lex Pop-On Polishing Discs, coarse, Ø 9.5 mm
	Refill Sof-Lex XT Polishing Discs Ø 12.7 mm (extra thin)
2382 SF	85 Sof-Lex Pop-On Polishing Discs, superfine, Ø 12.7 mm
2382 F	85 Sof-Lex Pop-On Polishing Discs, fine, Ø 12.7 mm
2382 M	85 Sof-Lex Pop-On Polishing Discs, medium, Ø 12.7 mm
2382 C	85 Sof-Lex Pop-On Polishing Discs, coarse, Ø 12.7 mm
	Refills Sof-Lex Polishing Discs for Moore mandrels Ø 15.5 mm
1958 SF	100 Sof-Lex Polishing Discs, superfine
1958 F	100 Sof-Lex Polishing Discs, fine
1958 M	100 Sof-Lex Polishing Discs, medium
1958 C	100 Sof-Lex Polishing Discs, coarse
2385 P	**Basic Kit Sof-Lex Finishing Strips** 120 Sof-Lex Pop-On Polishing Discs; superfine, fine, medium, coarse 30 pcs each; Ø 9.5 mm, 120 Sof-Lex Pop-On Polishing Discs; superfine, fine, medium, coarse 30 pcs each; Ø 12.7 mm, 120 Sof-Lex XT Pop-On Polishing Discs, superfine, fine, medium, coarse; 30 pcs each; Ø 9.5 mm, 120 Sof-Lex XT Pop-On Polishing Discs, superfine, fine, medium, coarse; 30 pcs each; Ø 12.7 mm, 1 RA mandrel, 15 Sof-Lex Finishing Strips, coarse/medium, 15 Sof-Lex Finishing Strips, coarse/medium narrow, 15 Sof-Lex Finishing Strips, fine/superfine
	Refills Sof-Lex Finishing Strips
1954	150 Sof-Lex Finishing Strips, coarse/medium
1954 N	100 Sof-Lex Finishing Strips, coarse/medium narrow
1956	120 Sof-Lex Finishing Strips, fine/superfine
	Sof-Lex Accessories
1983 HP	3 HP mandrels for handpieces for Sof-Lex Polishing Discs
1983 RA	3 RA mandrels for Sof-Lex Polishing Discs

Precision Impressions

Precision Impressions

Automatic Mixing Unit

Pentamix™ 3

Digital Impression System

Lava™ Chairside Oral Scanner C.O.S.

Polyether Precision Impression Materials

Tray Materials

Impregum™ Penta™

Impregum™ Penta™ Soft

Impregum™ Penta™ Soft Quick

Impregum™ Penta™ H DuoSoft™

Impregum™ Penta™ H DuoSoft™ Quick

Permadyne™ Penta™ H

Impregum™ F

Permadyne™

Wash Materials

Impregum™ Penta™ L DuoSoft™

Impregum™ Garant™ L DuoSoft™

Impregum™ L DuoSoft™ Quick

Permadyne™ Penta™ L

Permadyne™ Garant™ 2:1

VPS Precision Impression Materials

Tray Materials

Express™ 2 Penta™ Putty

Express™ 2 Penta™ Putty Soft

Express™ 2 Penta™ H

Express™ 2 Penta™ H Quick

Express™ 2 Penta™ H Universal Quick

Express™ 2 Heavy Body

Express™ 2 Heavy Body Quick

Wash Materials

Express™ 2 Light Body *Flow*

Express™ 2 Light Body *Flow* Quick

Express™ 2 Light Body *Standard*

Express™ 2 Light Body *Standard* Quick

Express™ 2 Ultra-Light Body Quick

Express™ 2 Regular Body

Express™ 2 Regular Body Quick

Express™ 2 Putty Soft

Express™ 2 Putty Quick

Express™

Accessories

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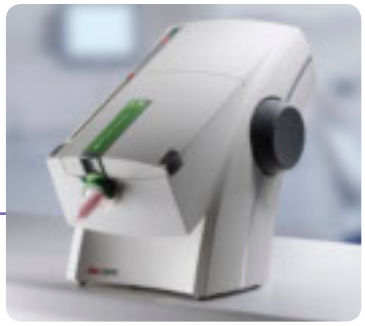
Pentamix™ 3

Automatic Mixing Unit

reddot design award winner 2009

With the touch of a button, the Pentamix™ 3 Automatic Mixing Unit delivers a completely homogeneous mix for exceptionally accurate impressions and perfectly fitting restorations… every time.



Pentamix™ 3 Automatic Mixing Unit

For automatic mixing of the following Penta™ Impression Materials

Product Range

Polyether Impression Materials
Impregum™ Penta™ Soft
Impregum™ Penta™ Soft Quick
Impregum™ Penta™ H DuoSoft™
Impregum™ Penta™ H DuoSoft™ Quick
Impregum™ Penta™ L DuoSoft™
Impregum™ Penta™
Permadyne™ Penta™ H
Permadyne™ Penta™ L

VPS Impression Materials
Express™ 2 Penta™ Putty
Express™ 2 Penta™ Putty Soft
Express™ 2 Penta™ H
Express™ 2 Penta™ H Quick
Express™ 2 Penta™ H Universal Quick

VPS Alginate Replacement
Position™ Penta™
Position™ Penta™ Quick

Polyether Bite Registration Material
Ramitec™ Penta™

Item No.	Product Information
	Pentamix™ 3 Automatic Mixing Unit
77871	1 Pentamix 3 – 230 V Western Europe
77872	1 Pentamix 3 – 230 V CH
77873	1 Pentamix 3 – 230 V GB

Product Benefits

- **Fastest automatic mixer worldwide** – Mixes and dispenses Penta™ materials faster than any other automatic mixing unit
- **Faster work procedure** – Enables quick-setting materials and reduces stress for assistants
- **Smallest automatic mixing unit on the market** – Compact design saves valuable counter/wall space
- **Enhanced handling** – Handles more convenient and ergonomic with one-button operation from both sides of the unit, easier cartridge exchange and easy-to-attach mixing tips
- **Contemporary and robust design**

Technical Data

- Mixer shaft speed 380–760 rpm
- Rate of dispensing 150 ml/min.
- Extrusion force up to 6.500 N – electronically limited to 10.000 N (± 20 %)
- Weight 9.8 kg
- Dimensions L 283 mm x W 225 mm x H 280 mm
- Wall mounting available

Not all products of this catalogue are available in all countries.

Lava™ Chairside Oral Scanner C.O.S.

Digital Impression System

The Lava™ Chairside Oral Scanner C.O.S. is a digital impression system that provides a powerful new connection and improved productivity for a doctor and their dental lab. With its Lava™ Chairside Oral Scanner C.O.S., 3M ESPE rounds out its portfolio with a digital impressioning solution. Digital imaging replaces physical impressioning with trays and impressioning material.

Indications

- Single Crowns
- Inlays
- Onlays
- Veneers
- Bridges up to 4 units
- Abutments of seated implants

Product Benefits

With its combination of high-performance hardware and software as well as integrated “3D-in-Motion” technology, the Lava™ Chairside Oral Scanner C.O.S. is the digital solution for one of the most demanding processes in your laboratory.

Productivity
Will replace model making in your lab. Will offer digital process for handling dentist scans – digital bite angle definition, digital dye cutting, digital margin marking. Based on this input high precision plastic model (can be placed in any type of articulators) will be delivered (segmented and solid). Process can be continued either in the traditional way or computer aided design can be used. Digitally designed copings can be milled in Lava or other milling systems. Costs for remakes will drop close to zero.

Flexibility
As design software different systems like Lava Design Software, 3shape and dental wings can be used. Scan data will be delivered in adequate file formats.

Precision
Extremely precise data capture and data input for your laboratory. Will eliminate a very high percentage of remakes and retakes. Will deliver first class fit of restorations and with that very satisfied dentist customers.

Lava™ Chairside Oral Scanner C.O.S.

The Lava Chairside Oral Scanner C.O.S. is now available in selected markets. Please contact your local 3M ESPE organization for more information.

Polyether Impression Materials from 3M ESPE

Improve your daily work with high precision on the first take

Ever since the introduction of its first polyether impression material more than 40 years ago, 3M ESPE has focused on an optimization and expansion of the successful product line. Since then, several soft and fast setting variants, all of which exhibit excellent flow properties, an initial hydrophilicity and a snap set behaviour, have complemented the portfolio. As all materials of the Impregum™ Penta™ product family can be mixed automatically in the Pentamix™ unit, homogeneous mixing results supporting precise impressions are obtained.

Automatic Mixing — Pentamix™, Dispenser

Hand Mixing — Tube

POLYETHER IMPRESSION MATERIALS					INDICATIONS				
	Color Tray Material								
TRAY MATERIALS	Automatic Mixing	Hand Mixing	RECOMMENDED WASH MATERIALS	Color Wash Material	Crown and Bridge Impressions	Inlay/Onlay Impressions	Fixation Impressions	Implant Impressions	Functional Impressions
MONOPHASE TECHNIQUE									
Impregum™ Penta™ Soft					●	●	●	●	●
Impregum™ Penta™ Soft Quick					●	●	●	●	●
Impregum™ Penta™					●	●	●	●	●
Impregum™ F					●	●	●	●	●
1-STEP TECHNIQUE									
Impregum™ Penta™ H DuoSoft™			Impregum™ Garant™ L DuoSoft™ ***or*** Impregum™ Penta™ L DuoSoft™		●	●	●	●	●
Impregum™ Penta™ H DuoSoft™ Quick			Impregum™ L DuoSoft™ Quick		●	●	●	●	
Permadyne™ Penta™ H			Permadyne™ Garant™ 2:1 ***or*** Permadyne™ Penta™ L		●	●			●
Permadyne™			Permadyne™ Garant™ 2:1		●	●			●

Not all products of this catalogue are available in all countries.

Working Times Overview

Product	Dispensing System	Working Time (including mixing) min:sec	Intra-oral Setting Time min:sec	Setting Time (from begin of mix) min:sec
MONOPHASE TECHNIQUE				
Impregum™ Penta™ Soft		2:45	3:15	6:00
Impregum™ Penta™ Soft Quick		max. 1:00	max. 3:00	max. 4:00
Impregum™ Penta™		2:45	3:15	6:00
Impregum™ F		2:45	3:15	6:00
1-STEP TECHNIQUE				
Impregum™ Penta™ H DuoSoft™		2:30	3:30	6:00
Impregum™ Penta™ H DuoSoft™ Quick		max. 1:00	max. 3:00	max. 4:00
Impregum™ Garant™ L DuoSoft™		2:00	3:30	5:30
Impregum™ Penta™ L DuoSoft™		3:15	3:15	6:30
Impregum™ L DuoSoft™ Quick		max. 1:00	max. 3:00	max. 4:00
Permadyne™ Penta™ H		2:30	3:30	6:00
Permadyne™ Heavy Body		2:30	3:00	5:30
Permadyne™ Light Body		3:00	3:00	6:00
Permadyne™ Garant™ 2:1		2:00	3:30	5:30
Permadyne™ Penta™ L		3:15	2:45	6:00

Impregum™ Penta™
Impregum™ Penta™ Soft
Impregum™ Penta™ Soft Quick

Polyether Impression Material

Impregum™ Penta™ Polyether Impression Materials – established for many years and repeatedly awarded by many independent rating institutes – have practically become a synonym for top-notch automatically mixed impression precision. With their unique product characteristics, Impregum materials help dentists to achieve excellent impression results. For automatic mixing and dispensing in the Pentamix™ System from 3M ESPE.

Introductory Kit Impregum™ Penta™ Soft for Pentamix™ 3

Indications

- Veneer impressions
- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Fixation impressions

Product Benefits

- Top-of-the-class detail reproduction due to outstanding hydrophilicity
- Reliably perfect impressions on the first try
- Easy tray removal

Item No.	Product Information
	Introductory Kits
P31684	**Introductory Kit Impregum Penta for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Impregum Penta Cartridge, 10 Penta Mixing Tips Red, 1 Penta Elastomer Syringe, 1 Bottle Polyether Adhesive 17 ml
31684	**Introductory Kit Impregum Penta for Pentamix 2** (Kit contents see Item No. P31684)
P31734	**Introductory Kit Impregum Penta Soft for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Impregum Penta Soft Cartridge, 10 Penta Mixing Tips Red, 1 Penta Elastomer Syringe, 1 Bottle Polyether Adhesive 17 ml
31734	**Introductory Kit Impregum Penta Soft for Pentamix 2** (Kit content see Item No. P31734)
P31770	**Introductory Kit Impregum Penta Soft Quick for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Impregum Penta Soft Quick Cartridge, 10 Penta Mixing Tips Red, 1 Penta Elastomer Syringe, 1 Bottle Polyether Adhesive 17 ml
31770	**Introductory Kit Impregum Penta Soft Quick for Pentamix 2** (Kit content see Item No. P31770)
	Refills
31644	**Impregum Penta** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
31730	**Impregum Penta Soft** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
31764	**Impregum Penta Soft Quick** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
30600	1 Bottle Polyether Adhesive 17 ml
	Cartridges for Pentamix 3
P3792	1 Impregum Penta Cartridge
P3787	1 Impregum Penta Soft Cartridge
P3775	1 Impregum Penta Soft Quick Cartridge
	Cartridges for Pentamix 2
77792	1 Impregum Penta Cartridge
77787	1 Impregum Penta Soft Cartridge
31775	1 Impregum Penta Soft Quick Cartridge

Accessories see page 59

Not all products of this catalogue are available in all countries.

Impregum™ Penta™ H DuoSoft™ / H DuoSoft™ Quick Impregum™ Penta™ L DuoSoft™ / Garant™ L DuoSoft™ Impregum™ L DuoSoft™ Quick

Polyether Impression Material

Impregum™ Penta™ Polyether Impression Materials by 3M ESPE have practically become a synonym for top-notch automatically mixed impression precision. Impregum DuoSoft is available as heavy body and light body, so you can benefit from the unique characteristics of a real Polyether Impression material, while using the 1-step tray/wash technique. Furthermore it comes as regular and quick setting material (Quick version).

Introductory Kit Impregum™ Penta™ H DuoSoft™ for Pentamix™ 3

Indications

- Veneer impressions
- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Fixation impressions

Product Benefits

- Top-of-the-class detail reproduction due to outstanding hydrophilicity
- Reliably perfect impressions on the first try
- Easy tray removal

Item No.	Product Information
	Introductory Kits*
P31738	**Introductory Kit Impregum Penta H DuoSoft for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Impregum Penta H DuoSoft Cartridge, 10 Penta Mixing Tips Red, 2 Garant Cartridges 50 ml each, 1 Garant Dispenser 1:1/2:1, 5 Garant Mixing Tips White, 5 Garant Intraoral Tips White, 5 Single-use Intra-oral Syringes, 1 Bottle Polyether Adhesive 17 ml
31738	**Introductory Kit Impregum Penta H DuoSoft for Pentamix 2** (Kit content see Item No. P31738, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips White, 10 Garant Intraoral Tips White)
P31772	**Introductory Kit Impregum Penta H DuoSoft Quick for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Impregum Penta H DuoSoft Quick Cartridge, 10 Penta Mixing Tips Red, 2 Garant Cartridges 50 ml each, 1 Garant Dispenser 1:1/2:1, 5 Garant Mixing Tips White, 5 Garant Intraoral Tips White, 5 Single-use Intra-oral Syringes, 1 Bottle Polyether Adhesive 17 ml
	Refills
31740	**Impregum Penta H DuoSoft** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
31768	**Impregum Penta H DuoSoft Quick** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
31745	**Impregum Penta L DuoSoft** 1 Base Paste, 300 ml, 1 Catalyst, 60 ml
31751	**Impregum Garant L DuoSoft** 4 Garant Cartridges, 50 ml each, 20 Garant Mixing Tips White, 5 Single-use Intra-oral Syringes
31766	**Impregum L DuoSoft Quick** 4 Garant Cartridges, 50 ml each, 20 Garant Mixing Tips White, 5 Single-use Intra-oral Syringes
30600	1 Bottle Polyether Adhesive 17 ml
	Cartridges for Pentamix 3
P3793	1 Impregum Penta H DuoSoft Cartridge
P3773	1 Impregum Penta H DuoSoft Quick Cartridge
P3795	1 Impregum Penta L DuoSoft Cartridge
	Cartridges for Pentamix 2
77793	1 Impregum Penta H DuoSoft Cartridge
31773	1 Impregum Penta H DuoSoft Quick Cartridge
77795	1 Impregum Penta L DuoSoft Cartridge

Accessories see page 59

* Single-use Intra-oral Syringes will be included in the Introductory Kits begin of May 2011.

Permadyne™ Penta™ H

Polyether Impression Material

Polyether precision impression material (heavy body) for the 1-step tray/wash technique automatically mixed with the Pentamix™. To be used in combination with Permadyne Penta L / Permadyne Garant 2:1.

Refill Permadyne™ Penta™ H

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impression

Product Benefits

- Automatic mixing and dispensing with the Pentamix™ 3 or Pentamix™ 2 Automatic Mixing Unit
- For impressions of uncompromising precision due to convincing polyether properties:
  – Initial hydrophilicity – hydrophilic when it really matters
  – Thixotropy and excellent flow properties – throughout the entire working time
  – "Snap-set" behaviour ensures constant flow properties during working period and less distortions

Item No.	Product Information
	Refills
30102	2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
P3851	1 Permadyne Penta H Cartridge for Pentamix 3
77851	1 Permadyne Penta H Cartridge for Pentamix 2
30600	1 Bottle Polyether Adhesive 17 ml

Accessories see page 59

Permadyne™ Penta™ L / Permadyne™ Garant™ 2:1

Polyether Impression Material

Polyether precision impression materials (light body) for the 1-step tray/wash technique. To be used in combination with Permadyne Penta H or Permadyne handmix tray material.

Refill Permadyne™ Penta™ L

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions

Product Benefits

- Automatic mixing and dispensing with the Pentamix™ 3 or Pentamix™ 2 Automatic Mixing Unit
- Permadyne Garant 2:1 for mixing and direct application with the Garant™ Dispenser
- For impressions of uncompromising precision due to convincing polyether properties:
  – Initial hydrophilicity – hydrophilic when it counts
  – Thixotropy and excellent flow properties – throughout the entire working time
  – "Snap-set" behaviour ensures constant flow properties during working period and less distortions

Item No.	Product Information
	Refills
30312	**Permadyne Penta L** 1 Base Paste 300 ml, 1 Catalyst 60 ml
30412	**Permadyne Garant 2:1** 4 Garant Cartridges, 50 ml each, 20 Garant Mixing Tips White
P3861	1 Permadyne Penta L Cartridge for Pentamix 3
77861	1 Permadyne Penta L Cartridge for Pentamix 2
30600	1 Bottle Polyether Adhesive 17 ml

Accessories see page 59

Not all products of this catalogue are available in all countries.

Permadyne™

Polyether Impression Material

Handmix Polyether precision impression material (heavy / light body) for the 1-step tray/wash technique. To be used in combination with Permadyne Penta L / Permadyne Garant 2:1.

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions

Refill Pack Permadyne™ (heavy body)

Item No.	Product Information
	Refills
30710	**Permadyne heavy body** 2 Tubes Base Paste, 120 ml each, 2 Tubes Catalyst, 15 ml each, 1 Mixing Pad
30750	**Permadyne light body** 2 Tubes Base Paste, 120 ml each, 2 Tubes Catalyst, 15 ml each
30600	1 Bottle Polyether Adhesive 17 ml

Accessories see page 59

Impregum™ F

Polyether Impression Material

Handmix polyether precision impression material for the monophase technique.

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Fixation impressions
- Implant impressions

Refill Pack Impregum™ F

Item No.	Product Information
	Refills
31710	2 Tubes Base Paste, 120 ml each, 2 Tubes Catalyst, 15 ml each, 1 Mixing Pad
30600	1 Bottle Polyether Adhesive 17 ml

Accessories see page 59

VPS Impression Materials from 3M ESPE

In a variety of viscosities – from putty to ultra-light body – Express™ 2 VPS Impression Materials offer essential benefits for the 1-step and 2-step techniques. All Express™ 2 tray materials are automatically mixed in the Pentamix™ System. Also putty users can benefit from automatic mixing. Express 2 offers an excellent potential for highly accurate impressions and better fitting restorations – a benefit for dentist, dental technician and patient.

Automatic Mixing — Pentamix™, Dispenser

Hand Mixing — Jar

VPS IMPRESSION MATERIALS					INDICATIONS	
	Color Tray Material					
TRAY MATERIALS	Automatic Mixing	Hand Mixing	RECOMMENDED WASH MATERIALS	Color Wash Material	Crown and Bridge Impressions	Inlay/Onlay Impressions
1-STEP TECHNIQUE						
Express™ 2 Penta™ H			Express™ 2 Light Body *Flow* **or** Express™ 2 Light Body *Standard*		●	●
Express™ 2 Penta™ H Quick			Express™ 2 Light Body *Flow* Quick **or** Express™ 2 Light Body *Standard* Quick		●	●
Express™ 2 Heavy Body Quick			Express™ 2 Light Body *Flow* Quick **or** Express™ 2 Light Body *Standard* Quick		●	●
Express™ 2 Heavy Body			Express™ 2 Light Body *Flow* **or** Express™ 2 Light Body *Standard*		●	●
2-STEP OR 1-STEP TECHNIQUE						
Express™ 2 Penta™ H Universal Quick			Express™ 2 Light Body *Flow* Quick **or** Express™ 2 Light Body *Standard* Quick		●	●
1-STEP PUTTY WASH TECHNIQUE						
Express™ 2 Penta™ Putty Soft			Express™ 2 Light Body *Flow* **or** Express™ 2 Regular Body		●	●
Express™ 2 Putty Soft			Express™ 2 Light Body *Flow* **or** Express™ 2 Light Body *Standard* **or** Express™ 2 Regular Body		●	●
2-STEP PUTTY WASH TECHNIQUE						
Express™ 2 Penta™ Putty			Express™ 2 Ultra-Light Body Quick **or** Express™ 2 Regular Body		●	●
Express™ 2 Putty Quick			Express™ 2 Light Body *Flow* Quick **or** Express™ 2 Light Body *Standard* Quick **or** Express™ 2 Regular Body Quick		●	●
Express™ Putty STD			Express™ 2 Light Body *Flow* **or** Express™ 2 Light Body *Standard* **or** Express™ Light Body		●	●

Not all products of this catalogue are available in all countries.

Working Times Overview

Product	Dispensing System	Low High Viscosity	Working Time at 23° C min:sec	Intra-oral Setting Time min:sec	Setting Time (from begin of mix) min:sec
TRAY MATERIALS					
Express™ 2 Penta™ Putty Soft		Putty	1:30	3:30	5:00
Express™ 2 Penta™ Putty		Putty	1:30	3:00	4:30
Express™ 2 Penta™ H		Heavy Body	2:00	3:30	5:30
Express™ 2 Penta™ H Universal Quick		Heavy Body	1:30	2:30	4:00
Express™ 2 Penta™ H Quick		Heavy Body	1:15	2:30	3:45
Express™ 2 Heavy Body		Heavy Body	2:00	4:00	6:00
Express™ 2 Heavy Body Quick		Heavy Body	1:15	2:30	3:45
Express™ 2 Putty Soft		Putty	2:00	3:30	5:30
Express™ 2 Putty Quick		Putty	1:30	2:30	4:00
WASH MATERIALS					
Express™ 2 Ultra-Light Body Quick			1:30	2:30	4:00
Express™ 2 Light Body *Flow*			2:00	3:30	5:30
Express™ 2 Light Body *Flow* Quick			1:30	2:30	4:00
Express™ 2 Light Body *Standard*			2:00	3:30	5:30
Express™ 2 Light Body *Standard* Quick			1:30	2:30	4:00
Express™ 2 Regular Body			2:00	3:30	5:30
Express™ 2 Regular Body Quick			1:30	2:30	4:00

Express™ 2 Wash Materials

VPS Impression Materials

VPS impression material for the 2-step putty/wash and 1-step tray/wash techniques for automatic mixing and dispensing in the Garant™ Dispenser from 3M ESPE.

Indications

- Crown and bridge impressions
- Inlay and Onlay impressions
- Fast setting “Quick” products for 1 or 2 units

Product Benefits

- Enhanced hydrophilicity
- Great flow properties
- Sufficient drip resistance
- Outstanding toughness
- Nearly 100% recovery from elongation

Refill Express™ 2 Light Body Standard Quick

Item No.	Product Information
	Refills*
36811	**Express 2 Light Body *Flow*** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36812	**Express 2 Light Body *Flow Quick*** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36813	**Express 2 Light Body *Standard*** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36814	**Express 2 Light Body *Standard Quick*** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36817	**Express 2 Ultra-Light Body Quick** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36957	**Express 2 Regular Body** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes
36958	**Express 2 Regular Body Quick** 4 Cartridges, 50 ml each, 10 Garant Mixing Tips yellow, 5 Single-use Intra-oral Syringes

* Single-use Intra-oral Syringes will be included in the Refills begin of May 2011.

Not all products of this catalogue
are available in all countries.

Express™ 2 Penta™ Putty Soft / Penta™ Putty

VPS Impression Materials

VPS impression materials for the 1-step (Express™ 2 Penta™ Putty Soft) or 2-step (Express™ 2 Penta™ Putty) putty/wash techniques for automatic mixing and dispensing in the Pentamix™ System from 3M ESPE.

Introductory Kit Express™ 2 Penta™ Putty Soft for Pentamix™ 3

Indications

- Crown and bridge impressions
- Inlay and onlay impressions

Product Benefits

- Express™ 2 Penta™ Putty Soft: first hydrophilic auto-mix putty available
- Real putty consistency
- Excellent detail reproduction

Item No.	Product Information*
P36861	**Introductory Kit Express 2 Penta Putty Soft for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Penta Putty Soft Cartridge, 10 Penta Mixing Tips Red, 1 Express 2 Light Body Flow Cartridge 50 ml, 1 Express 2 Regular Body Cartridge 50 ml, 5 Garant Mixing Tips yellow, 5 Garant Intraoral Tips yellow, 5 Single-use Intra-oral Syringes, 1 VPS Tray Adhesive, 1 Technique card
36875	**Introductory Kit Express 2 Penta Putty Soft for Pentamix 2** (Kit content see Item No. P36861, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow)
P36815	**Introductory Kit Express 2 Penta Putty for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Penta Putty Cartridge, 10 Penta Mixing Tips Red, 1 Express 2 Ultra-Light Body Quick Cartridge 50 ml, 1 Express 2 Regular Body Cartridge 50 ml, 5 Garant Mixing Tips yellow, 5 Garant Intraoral Tips yellow, 5 Single-use Intra-oral Syringes, 1 VPS Tray Adhesive, 1 Technique card
36815	**Introductory Kit Express 2 Penta Putty for Pentamix 2** (Kit content see Item No. P36815, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow)
	Trial Kits
36865	**Express™ 2 Penta™ Putty Soft Trial Kit** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Regular Body Cartridge 50 ml
36818	**Express™ 2 Penta™ Putty Trial Kit** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Light Body Flow Quick Cartridge 50 ml
	Refills
36862	**Express 2 Penta Putty Soft** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
36816	**Express 2 Penta Putty** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
	Cartridges for Pentamix 3
P3815	1 Express 2 Penta Putty Soft Cartridge
P3813	1 Express 2 Penta H Cartridge
	Cartridges for Pentamix 2
77815	1 Express 2 Penta Putty Soft Cartridge
77813	1 Express 2 Penta Putty Cartridge

For wash materials see page 54

* Single-use Intra-oral Syringes will be included in the Introductory Kits begin of May 2011.

Express™ 2 Penta™ H / Express™ 2 Penta™ H Quick Express™ 2 Penta™ H Universal Quick

VPS Impression Materials

The Express™ 2 portfolio holds three different kind of heavy body materials to satisfy all kind of preferences:

Express™ 2 Penta™ H Quick and Express™ 2 Penta™ H Universal Quick are ideally suited for the 2-step technique because of the fast setting and excellent carving properties.

Express™ 2 Penta™ H is the heavy body of choice for all fans of the 1-step technique. These heavy bodies are automatically mixed and dispensed in the Pentamix™ System from 3M ESPE.

Introductory Kit Express™ 2 Penta™ H for Pentamix™ 3

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Fast setting “Quick” product for 1 or 2 units

Product Benefits

- Hydrophilic heavy body
- Adequate rigidity after setting
- Easy removal from the mouth

Item No.	Product Information*
P36807	**Introductory Kit Express 2 Penta H for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Penta H Cartridge, 10 Penta Mixing Tips Red, 1 Express 2 Light Body Flow Cartridge 50 ml, 1 Express 2 Light Body Standard Cartridge 50 ml, 5 Garant Mixing Tips yellow, 5 Garant Intraoral Tips yellow, 5 Single-use Intra-oral Syringes, 1 VPS Tray Adhesive, 1 Technique card
36807	**Introductory Kit Express 2 Penta H for Pentamix 2** (Kit content see Item No. P36807, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow)
P36809	**Introductory Kit Express 2 Penta H Quick for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Penta H Quick Cartridge, 10 Penta Mixing Tips Red, 1 Express 2 Light Body Flow Quick Cartridge 50 ml, 1 Express 2 Light Body Standard Quick Cartridge 50 ml, 5 Garant Mixing Tips yellow, 5 Garant Intraoral Tips yellow, 5 Single-use Intra-oral Syringes, 1 VPS Tray Adhesive, 1 Technique card
36809	**Introductory Kit Express 2 Penta H Quick for Pentamix 2** (Kit content see Item No. P36809, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow)
P36837	**Introductory Kit Express 2 Penta H Universal Quick for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Express 2 Penta H Universal Quick Cartridge, 10 Penta Mixing Tips Red, 1 Express 2 Light Body Flow Quick Cartridge 50 ml, 1 Express 2 Light Body Standard Quick Cartridge 50 ml, 5 Garant Mixing Tips yellow, 5 Garant Intraoral Tips yellow, 5 Single-use Intra-oral Syringes, 1 VPS Tray Adhesive, 1 Technique Card
36837	**Introductory Kit Express 2 Penta H Universal Quick for Pentamix 2** (Kit content see Item No. P36837, without Single-use Intra-oral Syringes, but with 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow)
	Refills
36808	**Express 2 Penta H** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
36810	**Express 2 Penta H Quick** 2 Base Paste, 300 ml each, 2 catalyst, 60 ml each
36838	**Express 2 Penta H Universal Quick** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
	Cartridges for Pentamix 3
P3811	1 Express 2 Penta H Cartridge
P3812	1 Express 2 Penta H Quick Cartridge
P3814	1 Express 2 Penta H Universal Quick Cartridge
	Cartridges for Pentamix 2
77811	1 Express 2 Penta H Cartridge
77812	1 Express 2 Penta H Quick Cartridge
77814	1 Express 2 Penta H Universal Quick Cartridge

For wash materials see page 54

* Single-use Intra-oral Syringes will be included in the Introductory Kits begin of May 2011.

Express™ 2 Heavy Body

VPS Impression Material

Vinyl Polysiloxane impression material (regular setting) for the 1-step heavy body/light body impression technique for automatic mixing and dispensing in the Garant™ Dispenser from 3M ESPE.

Indications

- Crown and bridge impressions
- Inlay and onlay impressions

Product Benefits

- Enhanced hydrophilicity
- Great flow properties
- Sufficient drip resistance
- Outstanding toughness
- Nearly 100% recovery from elongation

Introductory Kit Express™ 2 Heavy Body

Item No.	Product Information
	Refills
36986	4 Cartridges, 50 ml each, 10 Garant Mixing Tips green
36987	30 Cartridges, 50 ml each

Accessories see page 59

Express™ 2 Heavy Body Quick

VPS Impression Material

Fast setting VPS heavy body/light body system impression material specially formulated for the use with a double-bite tray and for automatic mixing and dispensing in the Garant™ Dispenser from 3M ESPE.

Indications

- Impressions for single-unit crowns with combined trays (Triple-Tray, Dual-Arch-Tray, Double-Bite-Tray)

Product Benefits

- Enhanced hydrophilicity
- Great flow properties
- Sufficient drip resistance
- Outstanding toughness
- Nearly 100% recovery from elongation

Introductory Kit Express™ 2 Heavy Body Quick

Item No.	Product Information
	Refills
36988	4 Cartridges, 50 ml each
36989	30 Cartridges, 50 ml each

Accessories see page 59

Express™ 2 Putty Soft / Putty Quick

VPS Impression Materials

These handmix putties belong to 3M ESPE's state-of-the-art VPS impression material portfolio, Express™ 2, and are for the 1-step and 2-step putty/wash technique.

Indications

- Crown and bridge impressions
- Inlay and onlay impressions
- Fast setting "Quick" product for 1 or 2 units

Product Benefits

- Lower shore hardness for easier mouth moval (Putty Soft)
- Very good carving properties (Putty Quick)
- High insertion pressure and shore hardness (Putty Quick)

Introductory Kit Express™ 2 Putty Soft

Item No.	Product Information
36844	**Introductory Kit Express 2 Putty Soft** 1 Base Paste 300 ml, 1 Catalyst 300 ml, 2 Putty Spoons, 1 Express 2 Regular Body Cartridge 50 ml, 1 Express 2 Light Body Standard Cartridge 50 ml, 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow, 1 VPS Tray Adhesive, 1 Technique Card
36842	**Introductory Kit Express 2 Putty Quick** 1 Base Paste 300 ml, 1 Catalyst 300 ml, 2 Putty Spoons, 1 Express 2 Light Body Flow Quick Cartridge 50 ml, 1 Express 2 Regular Body Quick Cartridge 50 ml, 10 Garant Mixing Tips yellow, 10 Garant Intraoral Tips yellow, 1 VPS Tray Adhesive, 1 Technique Card
	Refills
36843	**Express 2 Putty Soft** 1 Base Paste 300 ml, 1 Catalyst 300 ml, 2 Putty Spoons
36841	**Express 2 Putty Quick** 1 Base Paste 300 ml, 1 Catalyst 300 ml, 2 Putty Spoons

Accessories see page 59

Express™

VPS Impression Material

Express™ is a handmix VPS impression material for the 1-step and 2-step putty/wash technique.

Indications

- Crown and bridge impressions
- Inlay and onlay impressions

Product Benefits

- The putty is easy to mix without streaking
- The hydrophilic wash materials are available in 2 viscosities:
  – Regular set (light body, regular setting) green
  – Fast set (light body, fast setting) blue
  – Regular body regular set (regular body, regular setting) purple
- Good dimensional stability

Introductory Kit Express™ – regular set, light body (green)

Item No.	Product Information
7300	**Introductory Kit Express** 2 Jars STD Putty, 305 ml/550 g each, 2 Garant Cartridges regular set, light body (green), 50 ml each, 1 Garant Dispenser, 10 Garant Intraoral Tips yellow, 10 Garant Mixing Tips yellow, 2 Putty Spoons, 1 VPS Tray Adhesive 17 ml
	Refills
7302	**Express – regular setting, light body (green)** 4 Cartridges, 50 ml each, 20 Garant Mixing Tips yellow
7301	**Express – fast setting, light body (blue)** 4 Cartridges, 50 ml each, 20 Garant Mixing Tips yellow
7322	**Express – regular setting, regular body (purple)** 4 Cartridges, 50 ml each, 20 Garant Mixing Tips yellow
7312	**Express STD Putty – regular setting (red)** 2 Putty Jars, 305 ml/550 g each
6160 J*	**Express Putty – fast setting (green)** 2 Putty Jars, 305 ml/550 g each
7314	2 Putty Spoons, 1 x Red, 1 x White
	* Not available in Switzerland

Accessories see page 59

Not all products of this catalogue are available in all countries.

Garant™ Accessories

Color Code	Material:	Item Number:	
		50 Mixing Tips	50 Intraoral Tips
White	**Polyether:** • Impregum™ Garant™ L DuoSoft™ / Quick • Permadyne™ Garant™ 2:1	71451	71461N
Yellow	**VPS – Vinyl Polysiloxane (A-Silicone):** • Express™ 2 Washes • Express™ Washes	71452	71462
Green	**VPS – Vinyl Polysiloxane (A-Silicone):** • Express™ 2 Heavy Body • Imprint™ Bite	71450 71450	71460
Dispenser 1:1 / 2:1		77580	
Plunger 1:1 / 2:1		77590	

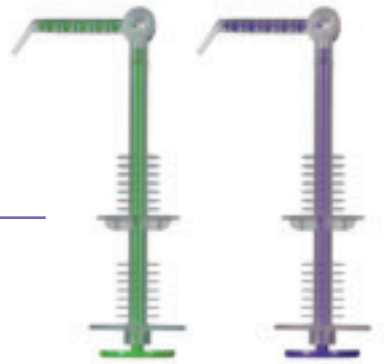
Impregum™ / Express™ 2 Intra-oral Syringes

New!

Single-use Syringe for Polyether or VPS

More precision, less waste, easier handling: the intra-oral syringe features all you can wish for to prepare an accurate and flawless impression:

- Excellent ease of use – easy to load, easy to dispense, ergonomic design.
- Precise application leads to excellent accuracy of final restorations.
- Very hygienic usage and procedure: no messy clean-up, no disinfection.
- 67% less waste material within mixing tips compared to common gun dispenser.



Intra-oral Syringes Impregum™ / Express™ 2

Item No.	Product Information
71476	**Combi Pack** 1 Express 2 Ultra-Light Body Quick Cartridge, 5 Express 2 Intra-oral Syringes
	Refills
71471	20 Express Intra-oral Syringes
71470	20 Impregum Intra-oral Syringes

Elastomer Syringe Accessories

Item No.	Product Information
71209	**1 Elastomer Syringe** with 3 Replacement Tips, 1 Cleaning Brush, 1 Filling Device
	Spare Parts
71076	1 Elastomer Screw for Syringe Plungers
71217	1 Filling Device
71225	12 Application Tips Medium Viscosity
71043	1 Knurled Nut
71068	1 Cleaning Brush
71050	1 PTFE Ring, white

Express™ Accessories

Item No.	Product Information
7314	**2 Putty Spoons** 1x red, 1x white

Penta™ Elastomer Syringe

Item No.	Product Information
71210	1 Penta Elastomer Syringe, complete
	Spare Parts
71200	10 Spare Barrels
71225	12 Application Tips
77720	1 Knurled Nut

Miscellaneous

Item No.	Product Information
75119	**10 Mixing Spatulas** for Alginate, plastic
70128	**10 Mixing Pads, small** for Impression Materials, 87 x 155 mm, 20 sheets
70190	**10 Mixing Pads, large** for Impression Materials, 125 x 180 mm, 24 sheets
70180	**10 Mixing Pads, extra large** for Impression Materials, 150 x 240 mm, 34 sheets
70144	**10 Mixing Pads, universal** for Impression Materials, 70 x 80 mm, 60 sheets
70086	**10 Mixing Pads** for Impression Materials, 60 x 75 mm
71233	1 Elastomer Spatula, standard

Preliminary Impressions
Bite Registration

Preliminary Impressions
Bite Registration

Preliminary Impressions

Position™ Penta™ (VPS)

Position™ Penta™ Quick (VPS)

Position™ Tray (Disposable Impression Tray)

Palgat™ Plus™ (Alginate)

Palgat™ Plus™ Quick

Bite Registration

Ramitec™ Penta™ (Polyether)

Ramitec™ (Polyether)

Imprint™ Bite (VPS)

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Preliminary Impression and Bite Registration Materials from 3M ESPE

In addition to the precision impression solutions 3M ESPE offers also a portfolio of materials for alginate indications and bite registration. With Position™ Penta™ 3M ESPE offers a VPS Alginate Replacement material indicated for the typcial alginate indication without the typical alginate stress factors, due to its unique material characteristics but also because it is mixed in the Pentamix™. Ramitec™ Penta™ Polyether Bite Registration Material also has the advantage of simple handling being mixed in the Pentamix™ as well. Benefit also in the field of preliminary impressions and bite registrations from the expertise of the market leader in impression materials, 3M ESPE.

Automatic Mixing — Pentamix™, Dispenser

Hand Mixing — Jar, Tube

IMPRESSION MATERIALS			INDICATIONS						
	Color Tray Material								
TRAY MATERIALS	Automatic Mixing	Hand Mixing	Impressions for making temporary restorations	Impressions for study models	Impressions for opposing dentitions	Impression for fabrication of splints/ mouthguards	Bite Registration	Working time (including mixing) min:sec	Setting time (from begin of mix) min:sec
ALGINATE INDICATION MATERIALS									
Position™ Penta™ **Position™ Penta™ Quick** VPS Alginate Replacement			●	●	●	●		1:30 1:10	3:00 2:40
Palgat™ Plus **Palgat™ Plus Quick** Alginate Impression Materials			●	●	●			1:45 1:15	3:45 2:45
BITE REGISTRATION MATERIALS									
Imprint™ Bite VPS Bite Registration Material							●	0:20	1:00
Ramitec™ **Ramitec™ Penta™** Polyether Bite Registration Materials							●	2:00 2:00	5:00 5:00

Not all products of this catalogue are available in all countries.

Position™ Penta™ / Position™ Penta™ Quick

VPS Alginate Replacement

THE DENTAL ADVISOR 2007 Preferred Product ++++½

Position™ Penta is an innovative VPS alginate replacement material (regular-setting and fast-setting) for all typical alginate indications for automatic mixing and dispensing in the Pentamix™ System from 3M ESPE.

Refill Position™ Penta™ Quick Cartridge for Pentamix™ 3

Indications

- Preliminary impressions
- Provisional crown and bridge impressions
- Opposing dentition impressions
- Study model impressions
- Impressions for orthodontic models
- Impressions for bleaching trays and mouthguards

Product Benefits

- Impressive dimensional stability during storage permits pouring models at a later point
- Multiple pour capability without losing accuracy
- Excellent hygiene: In difference to alginates Position can be completely submersed in disinfectant solutions without damage

Item No.	Product Information
P39037	**Introductory Kit Position Penta Quick for Pentamix 3** 1 Base Paste 300 ml, 1 Catalyst 60 ml, 1 Position Penta Quick Cartridge
39038	**Introductory Kit Position Penta Quick for Pentamix 2** (Kit content see Item No. P39037)
	Refills
29012	**Position Penta** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
29062	**Position Penta Quick** 2 Base Paste, 300 ml each, 2 Catalyst, 60 ml each
P3681	1 Position Penta Cartridge for Pentamix 3
P3691	1 Position Penta Quick Cartridge for Pentamix 3
77681	1 Position Penta Cartridge for Pentamix 2
77691	1 Position Penta Quick Cartridge for Pentamix 2

Accessories see page 59

Position™ Tray

Single-Use Tray for Position™ Penta™/Quick

Single-use tray, completes the VPS impression material Position™ Penta™/Quick to make a complete preliminary impressioning system. Position™ Tray is ideal for all alginate indications and is available in three sizes for both upper and lower jaw.

Refill Position™ Tray

Indications

- Preliminary impressions
- Provisional crown and bridge impressions
- Opposing dentition impressions
- Study model impressions
- Impressions for orthodontic models
- Impressions for bleaching trays and mouthguards

Product Benefits

- Save time: No tray adhesive needed – these trays have a high auto-retention due to integrated retention fabric
- Easy: The proven design ensures an optimal fit and with only three sizes per jaw also simplifies inventary
- Perfect hygiene: With a single-use tray, there is no need to disinfect and clean as with metal trays

Item No.	Product Information
	Refills
71600	10 Position Trays size S, upper jaw
71601	10 Position Trays size M, upper jaw
71602	10 Position Trays size L, upper jaw
71604	10 Position Trays size S, lower jaw
71605	10 Position Trays size M, lower jaw
71606	10 Position Trays size L, lower jaw

Accessories see page 59

Palgat™ Plus / Palgat™ Plus Quick

Alginate Impression Material

Palgat™ Plus is a alginate with good handling characteristics in practical bags.

Indications

- Temporary restorations
- Study models
- Opposing dentitions

Product Benefits

- Highly elastic and therefore has an excellent elastic memory
- Can be poured without pre-treatment with all standard plasters.
- Tear-resistant and easy to remove from the mouth, even within undercut areas
- Palgat Plus: High-viscosity formulation for shortened setting time

Special Pack Palgat™ Plus Quick

Item No.	Product Information
	Special Packs
21540	**Palgat Plus** 14 Bags, 450 g each, 1 Plastic Container, 1 Measuring Set
21550	**Palgat Plus Quick** 14 Bags, 450 g each, 1 Plastic Container, 1 Measuring Set
	Giant Packs
21560	**Palgat Plus** 18 Bags, 450 g each, 1 Measuring Set
21570	**Palgat Plus Quick** 18 Bags, 450 g each, 1 Measuring Set
	Shipping Units
21520	**Palgat Plus** 6 Bags, 450 g each, 6 Plastic Containers, 6 Measuring Sets
21530	**Palgat Plus Quick** 6 Bags, 450 g each, 6 Plastic Containers, 6 Measuring Sets
	Refills
75040	1 Measuring Set
75119	10 Mixing Spatulas for Alginate

Accessories see page 59

Not all products of this catalogue are available in all countries.

Ramitec™ Penta™ / Ramitec™

Polyether Bite Registration Material

Polyether impression material for bite registration. Available as handmix version or for automatic mixing and dispensing in the Pentamix™ System from 3M ESPE.

Indications

- Bite registration

Product Benefits

- Initial hydrophilicity ensures excellent flow properties even in moist environment
- Thixotropic, i.e. stable at the teeth, yet does not offer resistance when jaws are closed
- Easily carved due to high end hardness

Refill Pack Ramitec™ Penta™

Item No.	Product Information
	Refills
33112	**Ramitec Penta** 1 Base Paste 300 ml, 1 Catalyst 60 ml
33710	**Ramitec** 2 Tubes Base Paste, 120 ml each, 2 Tubes Catalyst, 15 ml each, 1 Ramitec Application Syringe, 1 Mixing Pad
P3821	1 Ramitec Penta Cartridge for Pentamix 3
77821	1 Ramitec Penta Cartridge for Pentamix 2
72041	5 Ramitec Application Syringes

Accessories see page 59

Imprint™ Bite

VPS Bite Registration Material

THE DENTAL ADVISOR "Best of 2004 Preferred Product" ++++½

Very fast-setting VPS impression material for bite registration for mixing and dispensing in the Garant™ Dispenser from 3M ESPE.

Indications

- Bite registration

Product Benefits

- Very short setting time of only 60 seconds
- High ultimate hardness Shore-A 90 for easy cutting
- Automatic mixing in the Garant Dispenser

Introductory Kit Imprint™ Bite

Item No.	Product Information
36890	**Introductory Kit** 2 Garant Cartridges, 50 ml each, 1 Garant Dispenser 1:1/2:1, 10 Garant Mixing Tips green, 10 Garant Intraoral Tips Bite
36850	**Refill Pack** 4 Garant Cartridges, 50 ml each, 10 Garant Mixing Tips green

Acessories see page 59

Temporisation

Temporisation

Materials for individually fabricated Crowns and Bridges

Protemp™ 4

Protemp™ II

Preformed Crowns

Protemp™ Crown

Iso-Form™ Crowns

Polycarbonate Crowns

Stainless Steel Crowns

Crown Instruments

Crown Scissors

Crown Crimping Pliers

Crown Contouring Plier

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Protemp™ 4

Temporisation Material

Protemp™ 4 temporisation material is a bis-acrylic composite for the fabrication of reliably strong temporaries with splendid aesthetics.

Indications

Fabrication of temporary

- Crowns and bridges
- Inlays and onlays
- Veneers
- Long-term temporary restoration
- Implant temporisation

Lining material for prefabricated temporary crowns made of composite (e.g. Protemp™ Crown) and metal (e.g. Iso-Form™ Crowns)

Product Benefits

With a string of unparalleled features, Protemp 4 temporization material is unique to the market and was developed to satisfy even the most demanding temporization disciplines:

- Record breaking tracture resistance through sophisticated nano filler technology
- Patient-pleasing aesthetics: Better color stability – even over the long term
- Tangibly less inhibition layer for easy handling

Introductory Kit Protemp™ 4

Item No.	Product Information
46953	**Introductory Kit A2** 1 Cartridge 50 ml, A2; 16 Garant Mixing Tips, blue; 1 Garant Dispenser 10:1, Technique Card; Instructions
	Refills
46959	**Bleach** 1 Cartridge 50 ml, Shade Bleach, 16 Garant Mixing Tips, blue
46954	**A1** 1 Cartridge 50 ml, Shade A1, 16 Garant Mixing Tips, blue
46956	**A2** 1 Cartridge 50 ml, Shade A2, 16 Garant Mixing Tips, blue
46957	**A3** 1 Cartridge 50 ml, Shade A3, 16 Garant Mixing Tips, blue
46972	**A3.5** 1 Cartridge 50 ml, Shade A3.5, 16 Garant Mixing Tips, blue
46960	**B3** 1 Cartridge 50 ml, Shade B3, 16 Garant Mixing Tips, blue
	Accessories
71453	50 Garant Mixing Tips, blue
77581	1 Garant Dispenser 10:1, complete
77591	1 Garant Plunger 10:1

Protemp™ II

Composite for Temporary Crowns and Bridges

Protemp™ II is a composite material for temporary restorations in the handmix version.

Indications

- Crowns and bridges
- Partial crowns
- Inlays
- Onlays

Product Benefits

- High precision fit of the temporary restoration with exact marginal seal
- High dimensional stability
- High biocompatibility
- Handmix system with acoustic pre-dosage (Protemp II click sound)

Refill Protemp™ II

Item No.	Product Information
	Refills
46090	**A1 extra light** 2 Base Pastes Shade extra light, 28 g each, 1 Double Syringe Catalyst I and II, 2.4 g each, 1 Application Syringe, 1 Mixing Pad
46100	**A3 light** 2 Base Pastes Shade light, 28 g each, 1 Double Syringe Catalyst I and II, 2.4 g each, 1 Application Syringe, 1 Mixing Pad
46110	**B3 yellow** 2 Base Pastes Shade yellow, 28 g each, 1 Double Syringe Catalyst I and II, 2.4 g each, 1 Application Syringe, 1 Mixing Pad
46430	1 Double Syringe Catalyst I and II, 2.4 g each
72070	5 Protemp Application Syringes

Not all products of this catalogue are available in all countries.

Protemp™ Crown

Temporisation Material

Protemp™ Crown is the world's first single-unit, self-supporting, malleable and light curable composite crown.

Indications

- Single-unit posterior temporisation
- Long-term temporisation
- Implant temporisation
- Digital impression-taking

Product Benefits

With its preformed anatomy, precision fit and excellent strength, Protemp Crown material is a unique temporisation solution for single posterior units and ideal in situations where fabricating a matrix is not possible.

- Excellent strength – also for long-term temporisation
- Unique solution – also for implant and digital procedures
- Simple – no matrix needed

Promotional Kit Protemp™ Crown

Item No.	Product Information
50600SAM	**Promotional Kit contains:** **1 x Introductory Kit (50600) + 1 x Refill (50613)** 42 Temporary Crowns in the Sizes: Molar Upper Large (6 x), Molar Upper Small (6 x), Molar Lower Large (6 x), Molar Lower Small (6 x), Bicuspid (Premolar) Upper Large (4 x), Bicuspid (Premolar) Upper Small (4 x), Bicuspid (Premolar) Lower (4 x), Cuspid (Canine) Large (3 x), Cuspid (Canine) Small (3 x), 2 x Crown Size Tools (10 pcs. each), 1 Crown Drawer, Crown Drawer Labels, 1 Technique Guide; 5 Temporary Crowns Molar Lower Small, 1 Crown Size Tool
50600TK	**Trial Kit** 16 Temporary Crowns in the Sizes: Molar Upper Large (3 x), Molar Upper Small (3 x), Molar Lower Large (2 x), Molar Lower Small (2 x), Bicuspid (Premolar) Upper Large (2 x), Bicuspid (Premolar) Upper Small (2 x), Bicuspid (Premolar) Lower (2 x), 10 Crown Size Tools, 1 Technique Guide
	Refills
50610	**Molar Upper Large** 5 Temporary Crowns, 1 Crown Size Tool
50611	**Molar Upper Small** 5 Temporary Crowns, 1 Crown Size Tool
50612	**Molar Lower Large** 5 Temporary Crowns, 1 Crown Size Tool
50613	**Molar Lower Small** 5 Temporary Crowns, 1 Crown Size Tool
50614	**Bicuspid (Premolar) Upper Large** 5 Temporary Crowns, 1 Crown Size Tool
50615	**Bicuspid (Premolar) Upper Small** 5 Temporary Crowns, 1 Crown Size Tool
50616	**Bicuspid (Premolar) Lower** 5 Temporary Crowns, 1 Crown Size Tool
50617	**Cuspid (Canine) Large** 5 Temporary Crowns, 1 Crown Size Tool
50618	**Cuspid (Canine) Small** 5 Temporary Crowns, 1 Crown Size Tool

Crown Instruments see page 73

Iso-Form™ Crowns

Temporary Crowns for Molars and Bicuspid

Introductory Kit Iso-Form™ Crowns

Indications

- Temporary crowns for adult posterior applications
- Molars
- Bicuspid

Product Benefits

- Preformed occlusal anatomy
- Tissue compatibility
- Prefinished and belled to save placement time

Product Information

Introductory Kit for Bicuspids

BC 64	Set with 64 Crowns,		
	2 Crowns per size:	1 Crown per size:	1 Measuring Gage
	L-42, L-43, L-44, L-45, L-46, L-47	U-49, U-41, U-40, U-48	1 Strech Block
	L-52, L-53, L-54, L-55, L-56, L-57	U-59, U-51, U-50, U-58	
	U-42, U-43, U-44, U-45, U-46, U-47	L-49, L-41, L-40, L-48	
	U-52, U-53, U-54, U-55, U-56, U-57	L-59, L-51, L-50, L-58	

Refills Bicupids*: 5 Crowns of one size per box

		1st Upper Left					1st Upper Right		
U-41	U-43	U-45	U-47	U-49	U-40	U-42	U-44	U-46	U-48
6.4	6.9	7.3	7.7	8.5	6.4	6.9	7.3	7.7	8.5
		2nd Upper Left					2nd Upper Right		
U-51	U-53	U-55	U-57	U-59	U-50	U-52	U-54	U-56	U-58
6.0	6.7	7.1	7.5	8.0	6.0	6.7	7.1	7.5	8.0
		1st Lower Left					1st Lower Right		
L-41	L-43	L-45	L-47	L-49	L-40	L-42	L-44	L-46	L-48
6.6	7.0	7.4	7.8	8.5	6.6	7.0	7.4	7.8	8.5
		2nd Lower Left					2nd Lower Right		
L-51	L-53	L-55	L-57	L-59	L-50	L-52	L-54	L-56	L-58
6.8	7.2	7.6	8.2	9.0	6.8	7.2	7.6	8.2	9.0

Introductory Kit for Molars:

MC 64	Set with 64 Crowns,		
	2 Crowns per size:	1 Crown per size:	1 Measuring Gage
	L-62, L-63, L-64, L-65, L-66, L-67	L-60, L-61, L-68, L-69	1 Strech Block
	L-72, L-73, L-74, L-75, L-76, L-77	L-70, L-71, L-78, L-79	
	U-62, U-63, U-64, U-65, U-66, U-67	U-60, U-61, U-68, U-69	
	U-72, U-73, U-74, U-75, U-76, U-77	U-70, U-71, U-78, U-79	

Refills Molar*: 5 Crowns of one size per box

		1st Upper Left					1st Upper Right		
U-61	U-63	U-65	U-67	U-69	U-60	U-62	U-64	U-66	U-68
10.3	10.7	11.1	11.5	12.0	10.3	10.7	11.1	11.5	12.0
		2nd Upper Left					2nd Upper Right		
U-71	U-73	U-75	U-77	U-79	U-70	U-72	U-74	U-76	U-78
9.0	9.5	9.9	10.2	10.5	9.0	9.5	9.9	10.2	10.5
		1st Lower Left					1st Lower Right		
L-61	L-63	L-65	L-67	L-69	L-60	L-62	L-64	L-66	L-68
11.1	11.4	11.7	12.0	12.4	11.1	11.4	11.7	12.0	12.4
		2nd Lower Left					2nd Lower Right		
L-71	L-73	L-75	L-77	L-79	L-70	L-72	L-74	L-76	L-78
9.8	10.4	10.8	11.2	11.6	9.8	10.4	10.8	11.2	11.6

* Minimum amount to be ordered by channel partners: 5 Refills

Not all products of this catalogue
are available in all countries.

Polycarbonate Crowns

Temporary Crowns for Anteriors and Bicuspid

Indications

- Temporary crowns for anterior and bicuspid restorations

Product Benefits

- Micro glass fibre reinforced
- Slightly translucent, tooth-coloured
- Easily scissor-trimmed, contoured, crimped and polished

Introductory Kit Polycarbonate Crowns

Product Information

Introductory Kit

C-180 Set with 180 Crowns, 2 Crowns of each size, Mold Guides for 60 crown sizes

Refills: 5 crowns of one size per box

Upper Right Central								Upper Left Central						
14.0	13.0	12.2	11.4	11.0	10.8	10.7	Length mm	10.7	10.8	11.0	11.4	12.2	13.0	14.0
10.1	9.4	8.9	8.4	8.2	8.0	7.7	Width mm	7.7	8.0	8.2	8.4	8.9	9.4	10.1
100	101	10	11	12	13	14	Item number	15	16	17	18	19	102	103
Upper Right Lateral								Upper Left Lateral						
11.5	10.9	10.5	10.0	9.5	8.5		Length mm	8.5	9.5	10.0	10.5	10.9	11.5	
7.6	7.1	7.0	6.5	6.4	5.8		Width mm	5.8	6.4	6.5	7.0	7.1	7.6	
2	20	21	22	23	24		Item number	25	26	27	28	29	200	
Lower Anterior long								Lower Anterior short						
12.3	11.3	11.1	10.5	9.9			Length mm	8.0	8.5	9.1	9.6	10.4		
6.3	5.8	5.6	5.4	5.2			Width mm	4.9	5.1	5.3	5.7	5.8		
60	61	62	63	64			Item number	65	66	67	68	69		
Right Cuspid (Upper & Lower)								Left Cuspid (Upper & Lower)						
13.0	12.4	11.9	11.5	11.0	10.7	10.4	Length mm	10.4	10.7	11.0	11.5	11.9	12.4	13.0
9.0	8.6	8.3	8.1	7.8	7.7	7.5	Width mm	7.5	7.7	7.8	8.1	8.3	8.6	9.0
300	301	30	31	32	33	34	Item number	35	36	37	38	39	302	303
1st Bicuspid								2nd Bicuspid						
9.9	9.2	8.9	8.6	8.1			Length mm	10.1	9.8	9.3	8.9	8.4		
7.2	6.9	6.8	6.5	6.2			Width mm	7.5	7.2	6.9	6.8	6.4		
40	41	42	43	44			Item number	50	51	52	53	54		

* Minimum amount to be ordered by channel partners: 5 Refills

Stainless Steel Crowns

Stainless Steel Crowns for Permanent and Primary Molars

3M ESPE's Stainless Steel Crowns are made out of high quality stainless steel using a proprietary process that results in outstanding physical properties.

Introductory Kit Stainless Steel Crowns

Indications

- Long-term restoration of primary molars
- Temporary and interim restorations of permanent molars – can also be used for long-term case with economic considerations

Product Benefits

- Convenient: pre-trimmed, belled and crimped for fast and easy placement
- Comfortable fit: accurately duplicates anatomy for better fit and performance
- Superior longevity compared to multi-service amalgam fillings

Product Information

Introductory Kit for Primary Molars

ND-96	Set with 96 Crowns, 2 Crowns of each size

Reading Example:	**1st Upper Left**					
Item number	D-UL-2	D-UL-3	D-UL-4	D-UL-5	D-UL-6	D-UL-7
Diameter mesial-distal	7.2	7.6	8.0	8.4	8.8	9.2

Refills Primary Molars*: 5 Crowns of one size per box

1st Upper Left						1st Upper Right					
D-UL-2	D-UL-3	D-UL-4	D-UL-5	D-UL-6	D-UL-7	D-UR-2	D-UR-3	D-UR-4	D-UR-5	D-UR-6	D-UR-7
7.2	7.6	8.0	8.4	8.8	9.2	7.2	7.6	8.0	8.4	8.8	9.2
2nd Upper Left						2nd Upper Right					
E-UL-2	E-UL-3	E-UL-4	E-UL-5	E-UL-6	E-UL-7	E-UR-2	E-UR-3	E-UR-4	E-UR-5	E-UR-6	E-UR-7
9.2	9.6	10.0	10.4	10.8	11.2	9.2	9.6	10.0	10.4	10.8	11.2
1st Lower Left						1st Lower Right					
D-LL-2	D-LL-3	D-LL-4	D-LL-5	D-LL-6	D-LL-7	D-LR-2	D-LR-3	D-LR-4	D-LR-5	D-LR-6	D-LR-7
7.3	7.7	8.1	8.5	8.9	9.3	7.3	7.7	8.1	8.5	8.9	9.3
2nd Lower Left						2nd Lower Right					
E-LL-2	E-LL-3	E-LL-4	E-LL-5	E-LL-6	E-LL-7	E-LR-2	E-LR-3	E-LR-4	E-LR-5	E-LR-6	E-LR-7
9.4	9.8	10.2	10.6	11.0	11.4	9.4	9.8	10.2	10.6	11.0	11.4

Introductory Kit for Permanent Molars

PO-96	Set with 96 Crowns, 4 Crowns of each size

Refills Permanent Molars*: 5 Crowns of one size per box

Upper Left						Upper Right					
6-UL-2	6-UL-3	6-UL-4	6-UL-5	6-UL-6	6-UL-7	6-UR-2	6-UR-3	6-UR-4	6-UR-5	6-UR-6	6-UR-7
10.7	11.1	11.5	11.9	12.3	12.8	10.7	11.1	11.5	11.9	12.3	12.8
Lower Left						Lower Right					
6-LL-2	6-LL-3	6-LL-4	6-LL-5	6-LL-6	6-LL-7	6-LR-2	6-LR-3	6-LR-4	6-LR-5	6-LR-6	6-LR-7
10.8	11.2	11.6	12.0	12.4	12.8	10.8	11.2	11.6	12.0	12.4	12.8

* Minimum amount to be ordered by channel partners: 5 Refills

Not all products of this catalogue are available in all countries.

Crown Instruments

Crown Scissors

Scissors for trimming the marginal of

- Stainless steel crowns
- Temporary crowns

Item No.	Product Information
	Refills
801202	1 Curved Crown Scissor
801203	1 Curved Festooning Scissor

No. 801202

No. 801203

Crown Crimping Pliers

Crown crimping plier for use at the cervical margin for

- Stainless steel crowns
- Temporary crowns

Crown Contouring Plier

Crown contouring plier for the formation of contact points and cervical margins for

- Stainless steel crowns
- Temporary crowns

Item No.	Product Information
	Refills
800417	1 Crown Crimping Plier
800112	1 Crown Contouring Plier

No. 800417

No. 800112

Cementation

Cementation

Permanent Luting Cements
RelyX™ Unicem 2 Automix
New! RelyX™ Unicem 2 Clicker™
RelyX™ Unicem Aplicap™
RelyX™ Unicem Maxicap™
RelyX™ Fiber Post
RelyX™ Veneer
RelyX™ ARC
RelyX™ Luting
Ketac™ Cem Plus
Ketac™ Cem Aplicap™
Ketac™ Cem Maxicap™
Ketac™ Cem Easymix
Ketac™ Cem radiopaque
Durelon™
Durelon™ Maxicap™
Temporary Luting Cements
RelyX™ Temp NE
RelyX™ Temp E

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3M ESPE

Cements from 3M ESPE

With the RelyX™ Cement family 3M ESPE offers one of the most comprehensive product lines of easy-handling, high quality products on the cement market.

The RelyX family embraces the complete range of luting cements: RelyX™ Unicem Family, RelyX™ ARC, RelyX™ Luting, RelyX™ Veneer for permanent cementation, up to RelyX™ Temp E and NE for temporary cementation. The newest member of this is the self-adhesive resin cement RelyX™ Unicem 2 Automix. The automix syringe is on the rise of being the preferred delivery and sets a new standard in ease-of-use and reliability.

The RelyX cements are characterized by an outstanding high quality. It is easy to find the suitable luting cement for each case of treatment. The cements are distinguished by

- Precise and accurate dosage systems
- Constant working and setting times
- Easy excess removal

	RelyX™ Unicem Family Self-Adhesive Resin Cement	**RelyX™ Veneer** Veneer Cement	**RelyX™ ARC** Adhesive Resin Cement	**RelyX™ Luting** Luting Cement	**RelyX™ Temp E** Temporary Cement with Eugenol	**RelyX™ Temp NE** Temporary Cement without Eugenol
Classification	Permanent Cements	Permanent Cements	Permanent Cements	Permanent Cements	Temporary Cements	Temporary Cements
METAL/PORCELAIN, FUSED OF METAL						
Inlays / Onlays	●	—	○	●	—	—
Crowns	●	—	○	●	—	—
Bridges	●	—	○	●	—	—
Endodontic Posts	●	—	○	●	—	—
Maryland bridges	●	—	○	—	—	—
PORCELAIN / CERAMIC						
Crowns	●	—	○	—	○	—
Bridges	●	—	●	—	○	—
Inlays / Onlays	●	—	●	—	○	—
Veneers	—	●	—	—	—	—
ZIRCONIA / ALUMINA						
Crowns	●	—	○	●	○	—
Bridges	●	—	○	●	○	—
Inlays / Onlays	●	—	○	—	○	—
COMPOSITE						
Crowns	●	—	●	—	○	—
Inlays / Onlays	●	—	●	—	○	—
ENDODONTICS						
Posts*	●	—	●	—	—	—
TEMPORARY C&B						
Crowns	—	—	—	—	●	●
Bridges	—	—	—	—	●	●

● Recommended product. Specifically designed to fit needs of respective application.
○ Secondary recommendation.
– Not recommended, i.e. application not possible.
* We recommend RelyX Fiber Post, a strong post that is securely bonded with RelyX Unicem 2 Cement.

Not all products of this catalogue are available in all countries.

RelyX™ Unicem 2 Automix
RelyX™ Unicem 2 Clicker™

New!

THE DENTAL ADVISOR

Self-Adhesive Resin Cement

RelyX™ Unicem 2 is a self-adhesive resin cement, which now is available in an easy-to-use automix syringe and in the Clicker™ Dispenser.

Indications

RelyX™ Unicem 2 Cement is indicated for the permanent cementation of:

- All-ceramic, composite, or metal inlays, onlays, crowns and bridges
- Posts and screws
- 2- or 3-unit Maryland bridges
- 3-unit inlay/onlay bridges
- All-ceramic, composite, or metal restorations to implant abutments

Product Benefits

With RelyX™ Unicem 2, the outstanding product performance and quality of renowned RelyX™ Unicem is also available in an easy-to-use automix syringe and Clicker™ Dispenser.

- Comfortable and easy delivery
- Simple and time-saving one-step solution
- Excellent bond strength on various materials

- **Working time (including mixing):**
  RelyX Unicem 2 Automix 2:00 min.
  RelyX Unicem 2 Clicker 2:00 min.
- **Light curing:**
  Single surface, from occlusal 0:20 min.
  each additional surface 0:20 min.
  RelyX™ Fiber Post posts, from occlusal 0:40 min.
- **Self-curing:**
  Begin of polymerization:
  RelyX Unicem 2 Automix 2:30 min.
  RelyX Unicem 2 Clicker 2:30 min.
  End of polymerization:
  RelyX Unicem 2 Automix 6:00 min.
  RelyX Unicem 2 Clicker 6:00 min.

Starter Kit RelyX™ Unicem 2 Automix / RelyX™ Fiber Post, Shade A2 Universal

Item No.	Product Information
56850	**Starter Kit RelyX Unicem 2 Automix / RelyX Fiber Post, Shade A2 Universal** 1 Syringe 8.5 g, 7 Mixing Tips (regular), 15 Mixing Tips (wide), 15 Endo Tips, 5 Intra-Oral Tips, 1 Box with 5 RelyX Fiber Posts of each size: 0 (1.1 mm dia), 1 (1.3 mm dia), 2 (1.6 mm dia), 3 (1.9 mm dia), 5 Drills Sizes 0, 1, 2, 3, Universal
	Refills RelyX Unicem 2 Automix
56848	**Shade Transluscent** 1 Syringe 8.5 g, 15 Mixing Ttips (regular), 5 Mixing Tips (wide), 5 Endo Tips
56846	**Shade A2 Universal** 1 Syringe 8.5 g, 15 Mixing Ttips (regular), 5 Mixing Tips (wide), 5 Endo Tips
56847	**Shade A3 Opaque** 1 Syringe 8.5 g, 15 Mixing Ttips (regular), 5 Mixing Tips (wide), 5 Endo Tips
56851	30 Mixing Tips (regular)
56856	20 Mixing Tips (wide)
56855	15 Endo Tips (to be used in combination with 56856)
56852	15 Intra-Oral Tips (to be used in combination with 56856)
	Value Packs RelyX Unicem 2 Automix
56858	**Shade Translucent** 3 Syringes, 8.5 g each, 30 Mixing Tips (regular), 20 Mixing Tips (wide), 15 Endo Tips, 5 Intra-Oral Tips
56849	**Shade A2 Universal** 3 Syringes, 8.5 g each, 30 Mixing Tips (regular), 20 Mixing Tips (wide), 15 Endo Tips, 5 Intra-Oral Tips
56857	**Shade A3 Opaque** 3 Syringes, 8.5 g each, 30 Mixing Tips (regular), 20 Mixing Tips (wide), 15 Endo Tips, 5 Intra-Oral Tips
	Refills RelyX Unicem 2 Clicker* New!
56874	**Shade Transluscent** 1 Clicker Dispenser 11 g, 1 Mixing Pad
56875	**Shade A2 Universal** 1 Clicker Dispenser 11 g, 1 Mixing Pad
56876	**Shade A3 Opaque** 1 Clicker Dispenser 11 g, 1 Mixing Pad
	* Dispensed in 80 Clicks (approx. 40 applications)

RelyX™ Unicem Aplicap™ / Maxicap™

Self-Adhesive Resin Cement

RelyX™ Unicem self-adhesive resin cement is available in a convenient Aplicap™ / Maxicap™ delivery system from 3M ESPE.

Indications

RelyX™ Unicem Cement is indicated for the permanent cementation of:

- All-ceramic, composite, or metal inlays, onlays, crowns and bridges
- Posts and screws
- 2- or 3-unit Maryland bridges
- 3-unit inlay/onlay bridges
- All-ceramic, composite, or metal restorations to implant abutments

Product Benefits

- The world's most clinically proven self-adhesive cement
- Simple and time saving one-step solution
- Excellent bond strength on various materials

- **Working time (including mixing):**
  RelyX Unicem Maxicap 2:30 min.
  RelyX Unicem Aplicap 2:00 min.
- **Light curing:**
  Single surface 0:20 min.
  Each additional surface 0:20 min.
- **Dark curing (from begin of mix):**
  Begin of polymerization:
  RelyX Unicem Maxicap 2:30 min.
  RelyX Unicem Aplicap 2:00 min.
  End of polymerization:
  RelyX Unicem Maxicap 6:00 min.
  RelyX Unicem Aplicap 5:00 min.

Introductory Kit RelyX™ Unicem Maxicap™

Item No.	Product Information
56828	**Trial Pack RelyX Unicem Aplicap** 20 Capsules assorted in the Shades A2 Universal (10), Translucent (6), A3 Opaque (4)
56829	**Trial Kit RelyX Unicem Aplicap** 20 Capsules assorted in the Shades A2 Universal (10), Translucent (6), A3 Opaque (4), Aplicap Activator, Aplicap Applier
56814	**Introductory Kit RelyX Unicem Aplicap** 50 Capsules assorted in the Shades A2 Universal (24), Translucent (16), A3 Opaque (10), Aplicap Activator, Aplicap Applier
56830	**Introductory Kit RelyX Unicem Maxicap** 20 Capsules assorted in the Shades A2 Universal (10), Translucent (6), A3 Opaque (4), Maxicap Activator, Maxicap Applier
	Refills RelyX Unicem Aplicap / Maxicap
56815	50 Aplicap Capsules assorted in the Shades A2 Universal (24), Translucent (16), A3 Opaque (10), 10 Elongation Tips
56816	50 Aplicap Capsules, Shade Translucent, 10 Elongation Tips
56817	50 Aplicap Capsules, Shade A3 Opaque, 10 Elongation Tips
56818	50 Aplicap Capsules, Shade A2 Universal, 10 Elongation Tips
56819	20 Aplicap Capsules, Shade A1
56820	20 Aplicap Capsules, Shade White Opaque
56831	20 Maxicap Capsules assorted in the Shades A2 Universal (10), Translucent (6), A3 Opaque (4)
56832	20 Maxicap Capsules, Shade Translucent
56833	20 Maxicap Capsules, Shade A3 Opaque
56834	20 Maxicap Capsules, Shade A2 Universal
	Accessories
73040	1 Aplicap Activator
73050	1 Aplicap Applier
37160	1 Combi Pack Aplicap Activator/Applier
73060	1 Maxicap Activator
73070	1 Maxicap Applier
37180	1 Combi Pack Maxicap Activator/Applier
77550	10 RelyX Unicem Aplicap Elongation Tips

Not all products of this catalogue are available in all countries.

RelyX™ Fiber Post

Glass Fiber Post

RelyX™ Fiber Posts are made out of glas fibers to ensure an elasticity that is very similar to human dentin resulting in much lower risk of root fracture.

Starter Kit RelyX™ Fiber Post

Indications

- In case of insufficient residual tooth structure (< 4 mm)
- A post is needed to support and secure the coronal restoration

Product Benefits

- Greater fatigue resistance than many other leading fiber posts
- Aesthetic due to excellent high translucency and no risk of corrosion that can occur with metal posts
- The RelyX™ Unicem system makes cementing a post faster, easier and more reliable – designed fo achieve excellent clinical results

Item No.	Product Information
56860	**Intro Kit** 1 Box with 5 Posts of each sizes 1 (1.3 mm dia), 2 (1.6 mm dia) and 3 (1.9 mm dia), 4 Drills sizes 1, 2 and 3, Universal, 20 Elongation Tips
56868	**Starter Kit RelyX Fiber Post / RelyX Unicem** 1 Box with 5 Posts of each sizes 1 (1.3 mm dia), 2 (1.6 mm dia) and 3 (1.9 mm dia), 4 Drill sizes 1, 2 and 3, Universal, 20 Elongation Tips, 20 RelyX Unicem Aplicaps assorted in the shades A2 Universal (10), Translucent (6), A3 Opaque (4), 1 Aplicap Activator, 1 Aplicap Applier
56850	**Starter Kit RelyX Fiber Post / RelyX Unicem 2 Automix, Shade A2 Universal** 1 Syringe 8.5 g, 7 Mixing Tips (regular), 15 Mixing Tips (wide), 15 Endo Tips, 5 Intra-Oral Tips, 1 Box with 5 RelyX Fiber Posts of each size: 0 (1.1 mm dia), 1 (1.3 mm dia), 2 (1.6 mm dia), 3 (1.9 mm dia), 5 Drills Sizes 0, 1, 2, 3, Universal
	Refills
56872	10 Posts Size 0 (1.1 mm dia)
56861	10 Posts Size 1 (1.3 mm dia)
56862	10 Posts Size 2 (1.6 mm dia)
56863	10 Posts Size 3 (1.9 mm dia)
56873	1 Drill Size 0 (1.1 mm dia), white
56864	1 Drill Size 1 (1.3 mm dia), yellow
56865	1 Drill Size 2 (1.6 mm dia), red
56866	1 Drill Size 3 (1.9 mm dia), blue
56867	1 Universal Drill
77550	10 RelyX Unicem Aplicap Elongation Tips
56856	20 RelyX Unicem 2 Mixing Tips (wide)
56855	15 RelyX Unicem 2 Endo Tips (to be used in combination with 56856)

RelyX™ Veneer

Veneer Cement

RelyX™ Veneer Cement is a light-cure only resin cement. This veneer cement system comes in the syringe, the customer-prefered delivery and a colour match system that's easy to use and easy to clean up.

Indications

Permanent cementation of

- Porcelain veneers
- Ceramic veneers
- Composite veneers

Product Benefits

- Ensuring top aesthetics because of excellent colour stability
- Try-In pastes are water soluble and residue-free and offer excellent colour match to the final cured cement for better patient satisfaction
- Excellent adhesion to dentin and enamel reduces the potential for microleakage and marginal staining
- Ideal, on-slump cement viscosity prevents veneer drift and easy definite positioning of the veneer

Introductory Kit RelyX™ Veneer

Item No.	Product Information
8713	**Introductory Kit** 5 Try-In Paste (Translucent, White-Opaque, A1/Light Yellow, A3 Opaque/Yellow Opaque, A5/Dark, B0.5/White), 2 g each, 5 Cement Syringes (Translucent, White-Opaque,A1/Light Yellow, A 3 Opaque/Yellow Opaque, B0.5/White), 3 g each, 1 Syringe Scotchbond Etchant, 3 ml, 1 Bottle RelyX Ceramic Primer, 5 ml, 1 Adper Scotchbond 1 XT Adhesive, 6 ml
	Refills
8714TR	1 Cement Syringe 3 g, Shade Translucent
8714W0	1 Cement Syringe 3 g, Shade White Opaque
8714A1	1 Cement Syringe 3 g, Shade A1/Light Yellow
8714A3	1 Cement Syringe 3 g, Shade A3 Opaque/Yellow Opaque
8714B0.5	1 Cement Syringe 3 g, Shade B0.5/White
7614TRT	1 Try-In Paste 2 g, Shade Translucent
7614W0T	1 Try-In Paste 2 g, Shade White Opaque
7614A1T	1 Try-In Paste 2 g, Shade A1/Light Yellow
7614A3T	1 Try-In Paste 2 g, Shade A3 Opaque/Yellow Opaque
7614B0.5T	1 Try-In Paste 2 g, Shade B0.5/White

RelyX™ ARC

Adhesive Resin Cement

RelyX™ ARC for all cementations where enhanced bonding and/or aesthetics are required.

Indications

RelyX™ ARC cement is indicated for luting the following types of restorations:

- Porcelain-fused-to-metal (PFM) crowns and bridges
- Metal crowns, inlays and onlays
- Prefabricated metal provisional crowns
- Strengthened core all-zirconia or all-alumina ceramic crowns and bridges (i.e. Lava™ Zirconia from 3M™ ESPE™ or Procera® AllCeram)
- Prefabricated or cast posts
- Orthodontic bands and appliances

Product Benefits

- High bond strength
- Easy excess removal
- Dual-curing

- **Mixing time:** 0:10 min.
- **Light curing time:** 0:40 min.

Introductory Kit RelyX™ ARC

Item No.	Product Information
3415	**Introductory Kit** 1 Clicker 4.5 g, Shade A1, 1 Clicker 4.5 g, Shade A3, 1 Adper Scotchbond 1 XT Adhesive, 6 ml, 2 Scotchbond Etching Gel in Syringe, 3 ml each, 1 Ceramic Primer, 5 ml, Accessories
	Refills
3415 A1	1 Clicker 4.5 g, Shade A1
3415 A3	1 Clicker 4.5 g, Shade A3

RelyX™ Luting

Luting Cement

RelyX™ Luting cement is a resin-modified glass ionomer cement used for routine cementation of PFM and metal crowns, bridges, inlays/onlays, crowns made with all-alumina or all-zirconia cores such as Lava™.

Indications

RelyX™ Luting cement is indicated for luting the following types of restorations:

- Porcelain-fused-to-metal (PFM) crowns and bridges
- Metal crowns, inlays and onlays
- Prefabricated metal provisional crowns
- Strengthened core all-zirconia or all-alumina ceramic crowns and bridges (i.e. Lava™ Zirconia from 3M™ ESPE™ or Procera® AllCeram)
- Prefabricated or cast posts
- Orthodontic bands and appliances

Product Benefits

- Radiopaque
- Sustained fluoride release
- Virtually no postoperative sensitivity

- **Working time (incl. mixing):** 2:30 min.

Introductory Kit RelyX™ Luting

Item No.	Product Information
3505	**Introductory Kit** 1 Powder 16 g, 1 Liquid 9 ml, 1 Measuring Spoon, 2 Mixing Pads
	Refills
3505 P	1 Powder 16 g
3505 L	1 Liquid 9 ml

Ketac™ Cem Plus

Luting Cement

Ketac™ Cem Plus Luting Cement is an advanced paste-paste, resin-modified glass ionomer formula. It comes in the convenient Clicker™ dispenser.

Trial Kit Ketac™ Cem Plus

Indications

Cementation of

- Crowns
- Bridges
- Inlays
- Onlays made of metail or porcelain-fused to metal as well as all-aluminia or all-zirconia strenthened core ceramic systems
- Cementation of endodontic posts and orthodontic appliances made of metal

Product Benefits

- Easy and hygienic handling with the award-winning Clicker™ Dispenser, ensuring a consistent mix ratio
- Paste-paste formulation for easy mixing
- Enhanced marginal integrity with low solubility
- Sustained fluoride release

- **Working time (incl. mixing):** 2:50 min.
- **Setting time (from begin of mix):** 5:00 min.

Item No.	Product Information
56931	**Trial Kit** 1 Clicker Dispenser 11 g, 1 Mixing Pad
56930	**Refill** 2 Clicker Dispenser 11 g each, 1 Mixing Pad

Ketac™ Cem Aplicap™ / Maxicap™

Glass Ionomer Luting Cement

Ketac™ Cem is the glass ionomer luting cement from 3M ESPE. It has been subject of extensive scientific studies and has often been described as the “Gold Standard” for conventional cementation. It’s available in the convenient Aplicap™/Maxicap™ System from 3M ESPE and all handmix versions.

Introductory Kit Ketac™ Cem Aplicap™

Indications

- Permanent cementation of inlays, onlays, crown, and bridges made of metal or porcelain fused to metal
- Permanent cementation of inlays, onlays, crown, and bridges made all-alumina or all-zirconia strengthened core ceramic systems (e.g. Lava™ Crowns & Bridges)
- Permanent cementation of endodontic posts and orthodontic appliances made of metal
- Cavity lining

Product Benefits

- Confidence due to its proven long-term clinical success
- High level of biocompatibility
- Simple and user-friendly cementation material

- **Working time (including mixing):**
  Ketac Cem Aplicap / Maxicap 3:00 min.
- **Setting time (from begin of mix):**
  Ketac Cem Aplicap / Maxicap 7:00 min.

Item No.	Product Information
56053	**Introductory Kit Ketac Cem Aplicap** 50 Capsules, 1 Aplicap Activator, 1 Aplicap Applier
56015	**Introductory Kit Ketac Cem Maxicap** 50 Capsules, 1 Maxicap Activator, 1 Maxicap Applier
	Refills Ketac Cem Aplicap / Maxicap
56060	50 Aplicap Capsules
56020	50 Maxicap Capsules
73040	1 Aplicap Activator
73050	1 Aplicap Applier
37160	1 Combi Pack Aplicap Activator/Applier
73060	1 Maxicap Activator
73070	1 Maxicap Applier
37180	1 Combi Pack Maxicap Activator/Applier

Not all products of this catalogue are available in all countries.

Ketac™ Cem Easymix

Glass Ionomer Luting Cement

Indications

- Permanent cementation of inlays, onlays, crowns and bridges made of
  - – Metal or porcelain-fused to metal
  - – All-aluminia or all-zirconia strengthened core ceramic systems (e.g. Lava™ Crowns & Bridges)
- Permanent cementation of endodontic posts and orthodontic appliances made of metal
- Cavity lining

Product Benefits

- Granula formulation for easy hand mixing
- Exact dosage without residual dust
- Low film thickness
- Radiopaque
- Fluoride release

- **Working time (incl. mixing):** 3:10 min.
- **Setting time (from begin of mix):** 7:00 min.

Introductory Kit Ketac™ Cem Easymix

Item No.	Product Information
56900	**Introductory Kit** 1 Powder 30 g, 1 Liquid 12 ml, 1 Mixing Pad
	Refills
56902	1 Powder 30 g, 1 Spoon
56904	1 Liquid 12 ml, 1 Dropper
56906	**Triple Pack** 3 Powder, 30 g each, 3 Liquid, 12 ml each, 3 Dropper, 1 Spoon, 1 Mixing Pad
56908	**Trial Pack** 1 Powder 15 g, 1 Liquid 12 ml, 1 Dropper, 1 Spoon

Ketac™ Cem radiopaque

Glass Ionomer Luting Cement

Indications

- Permanent cementation of inlays, onlays, crowns and bridges made of
  - – Metal or porcelain-fused to metal
  - – All-aluminia or all-zirconia strengthened core ceramic systems (e.g. Lava™ Crowns & Bridges)
- Permanent cementation of endodontic posts and orthodontic appliances made of metal
- Cavity lining

Product Benefits

- Low film thickness
- Radiopaque
- Fluoride release

- **Working time (incl. mixing):** 3:30 min.
- **Setting time (from begin of mix):** 7:00 min.

Introductory Kit Ketac™ Cem radiopaque

Item No.	Product Information
37200	**Introductory Kit** 1 Powder 33 g, 1 Liquid 12 ml, 1 Mixing Pad
37230	**Triple Pack** 3 Powder, 33 g each, 3 Liquid, 12 ml each, 1 Mixing Pad
	Refills
37210	1 Powder 33 g
37220	1 Liquid 12 ml

Durelon™ / Durelon™ Maxicap

Carboxylate Luting Cement

Durelon™ is a carboxylate luting cement which comes in a handmix version or in the convenient Maxicap System from 3M ESPE. It is available as normal setting and fast setting versions.

Indications

- Permanent cementation of inlays, onlays, crowns and bridges made of
  - – Metal except titanium frameworks
  - – Porcelain-fused to metal
- Cavity lining

Product Benefits

- Simple technique requires non conditioning and no bonding agents for reduced chair time
- Thin film thickness
- Fluoride release

Handmix version – cementation (1:2):

- Powder normal setting, universal liquid: 2:30*/10:00** min.
- Powder normal setting, thin-flowing liquid: 2:00*/7:00** min.
- Powder fast setting, universal liquid: 1:00*/5:00** min.
- Powder fast setting, thin-flowing liquid: 1:00*/3:30** min.

Handmix version – linings (1:1):

- Powder normal setting, universal liquid: 1:30*/6:00** min.
- Powder fast setting, universal liquid: 0:45*/3:30** min.

Maxicap version:

- **Working time (including mixing):**
  Durelon Maxicap 2:30 min.
- **Setting time (from begin of mix):**
  Durelon Maxicap 5:30 min.

*) Working time (from begin of mix)
**) Setting time (from begin of mix)

Introductory Kit Durelon™

Item No.	Product Information
38059	**Introductory Kit Powder** 1 Powder Normal Setting 20 g, 4 Measuring Syringes Universal (13.3 ml), 1 Mixing Pad
	Triple Pack Powder
38236	3 Powder Normal Setting, 20 g each
38237	3 Powder Fast Setting, 20 g each
	Triple Pack Liquid
38216	1 Dropper Bottle Universal Liquid 40 ml
38224	1 Dropper Bottle Thin-Flowing Liquid 40 ml
38265	12 Measuring Syringe Universal Liquid, 40 ml each
	Refills Durelon Maxicap
56310	20 Capsules
73060	1 Maxicap Activator
73070	1 Maxicap Applier
37180	1 Combi Pack Maxicap Activator/Applier

Not all products of this catalogue are available in all countries.

RelyX™ Temp NE

Temporary Cement Zinc Oxide Non-Eugenol

RelyX™ Temp NE is an ideal partner for use with precision-fitting restorations made from temporization materials such as Protemp™ 4.

Indications

- Temporary cementation of temporary and permanent crowns and bridges

Product Benefits

- Eugenol-free for universal applications because it will not inhibit the polymerization of composite remains on the temporary resin cements
- Very low film thickness helps ensure an optimal fit
- High adhesion offers high retention to the tooth, yet it is removed easily for final cementation
- Saves time because the majority of the cements remains on the temporary not on the tooth

Refill RelyX™ Temp NE

Item No.	Product Information
56660	**Refill** 1 Base Paste 30 g, 1 Catalyst 13 g, 1 Mixing Pad

RelyX™ Temp E

Temporary Cement Zinc Oxide Eugenol

Indications

- Temporary cementation of temporary and permanent crowns and bridges

Product Benefits

- Easy removal of the excess cement from the tooth and the restoration
- Reduction of end hardness possible by adding vaseline
- Very low film thickness helps ensure an optimal fit
- High adhesion offers high retention to the tooth, yet it is removed easily for final cementation
- Saves time because the majority of the cements remains on the temporary not on the tooth

Refill RelyX™ Temp E

Item No.	Product Information
35014	**Refill** 1 Base Paste 25 g, 1 Activator 18 g, 1 Mixing Pad

Implants

Implants

3M ESPE Mini Dental Implants
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3M™ ESPE™ MDI™

Mini Dental Implants

A leading minimally invasive implant system to stabilize full dentures and more.

Indications

For all MDI implants:

- Long-Term Full Denture Stabilization
- Long-Term Partial Denture Stabilization
- Long-Term Splinted Fixation of Bridges

In addition for MDI 2.9 mm implant:

- Long-Term Fixation of Single Crowns

Product Benefits

- Minimally invasive procedure
- Often no grafting necessary
- Immediate load in most cases
- Very cost effective for the dental practice
- Very affordable for denture patients

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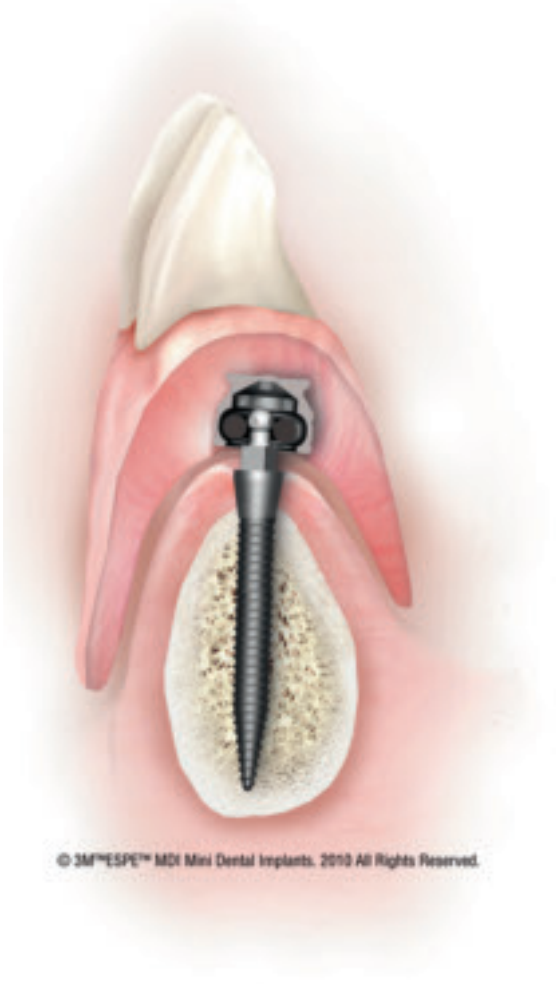

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The 3M ESPE MDI Mini Dental Implants were developed to provide greater denture stability for those who

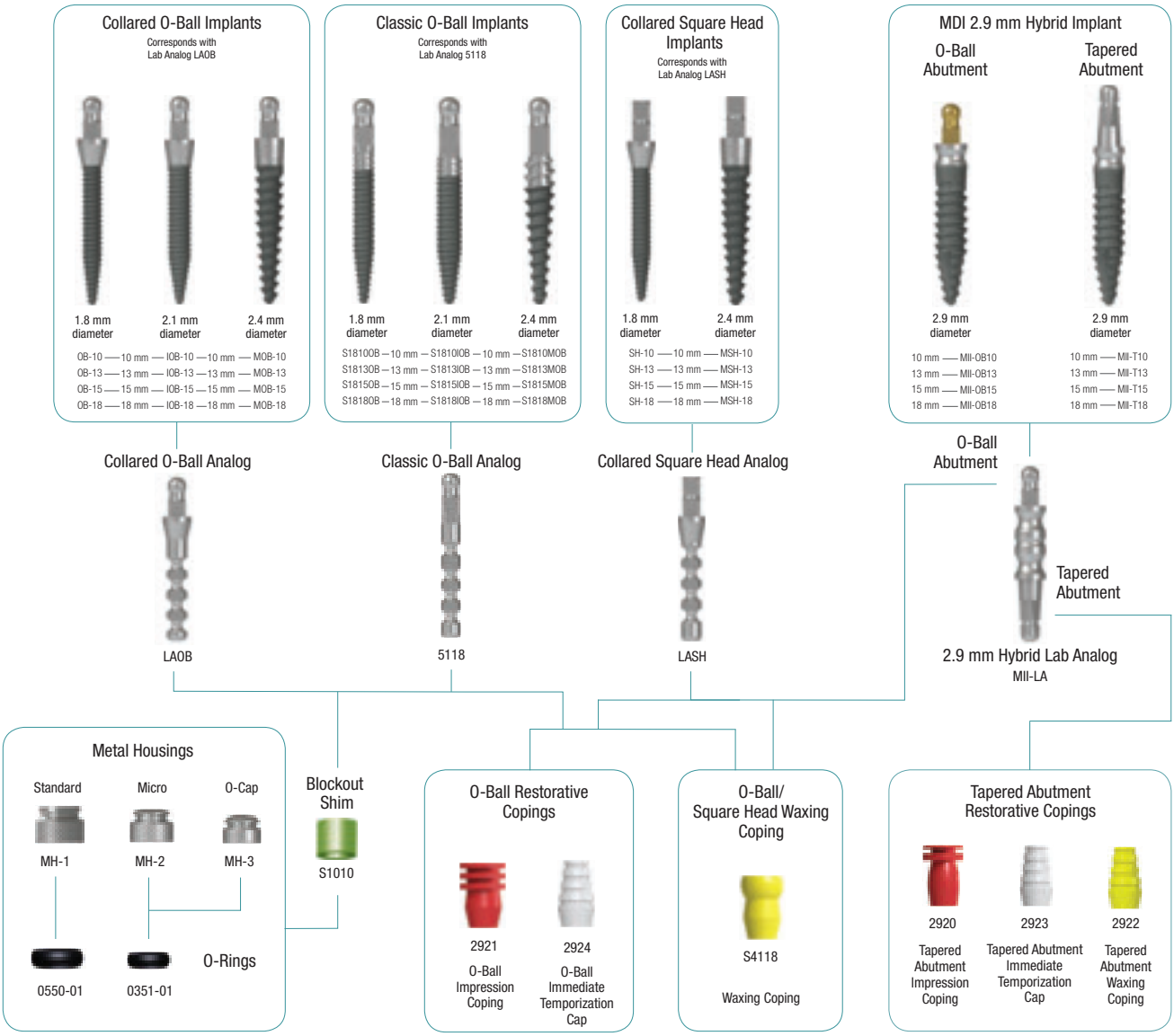
- can't withstand the rigors of conventional implant surgery
- don't have enough bone to allow for full-size implants to be placed, or
- are seeking an option with a lower cost than traditional implant treatment

Features

- Implants are placed through a small pilot hole, not into a full osteotomy
- Implant designs for stability in soft and dense bone (essential for immediate loading)
- Attachment designs for customized retention for each case
- Attachment designs that forgive up to 30° divergence between two implants
- Original retention can be restored by simply changing an O-Ring
- A market leading small diameter implant training program

3M™ ESPE™ MDI™

Mini Dental Implants



For full portfolio, including available kits and additional accessories, see MDI Mini Dental Implants Product Guide.

MDI Implant Selection Guide

	Bone Density*				Soft-Tissue Depth		Buccolingual Width			
Implant Type	D1	D2	D3	D4	≤ 2 mm	> 2 mm	4 mm	> 4 mm	> 5.5 mm	> 6 mm
Ø 1.8 mm with Collar	✓	✓	NR	NR	NR	✓	✓	✓	– ✓	– ✓
Ø 1.8 mm without Collar	✓	✓	NR	NR	✓	NR	✓	✓	✓	✓
Ø 2.1 mm with Collar	✓	✓	NR	NR	NR	✓	NR	✓	✓	✓
Ø 2.1 mm without Collar	✓	✓	NR	NR	✓	NR	NR	✓	✓	✓
Ø 2.4 mm with Collar	NR	✓	✓	NR	NR	✓	NR	NR	✓	✓
Ø 2.4 mm without Collar	NR	✓	✓	NR	✓	NR	NR	NR	✓	✓
Ø 2.9 mm with Collar	NR	✓	✓	NR	✓	✓	NR	NR	NR	✓

* D1 = Very Dense Bone
* D4 = Very Soft Bone
NR = Not Recommended

Laboratory Related Systems

Laboratory Related Systems

Crowns and Bridges

Lava™ Ceram

Lava™ Scan ST

Composite Veneering of Metal Frameworks

Sinfony™

Sinfony™ Magic Intensive Shades

Sinfony™ Opaque Dentins

Sinfony™ Intensive Opaquer

Sinfony™ Enamel Effect and Transpa Opal Materials

Laboratory Related Products

Rocatec™ System

Reprogum™ F

Reprogum™

Vestogum™

Visio™ Form

Visio™ Bloc

Nimetic™ Cem

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3M ESPE

Lava™ Ceram

Overlay Porcelain

Lava™ Ceram makes it easy to recreate the aesthetics of a real tooth with extraordinary shades and amazing optical effects that ensure a beautiful restoration.

Indications

- Crown anterior
- Crown posterior
- Bridges anterior
- Bridges posterior

Product Benefits

- Provides proven bond strength to Lava Zirconia
- Lava™ Ceram Overlay Porcelain is the choice for restorations that are truly masterpieces
- Excellent match for high standards

Lava™ Ceram Popular Set

Item No.	Product Information
68719	**Lava Ceram Popular Set** 1 Lava Ceram MO 15 g (Shades: A1, A2, A3, A3.5, B1, B2, B3, C2, D2, W2), 1 Lava Ceram D 15 g (Shades: A1, A2, A3, A3.5, B1, B2, B3, C2, D2, W2), 1 Lava Ceram 15 g (Shades: E1, E2, E3, E4, E5, E6, T1, T2, T3, T4, SH1, SH3, SH5, CR1, CR2, CL), Lava Ceram Glaze 15 g, Lava Ceram Stain & Glaze Liquid 40 ml, 1 Lava Ceram Modeling Liquid 40 ml, 1 Lava Ceram Shoulder Liquid 40 ml, Lava Ceram Combination Table, 4 Lava Ceram Shade Guides: Frame Work MO, Enamel/Transpa, Dentin, Shoulder Magic Intensive
68720	**Lava Ceram Performer Set** 1 Lava Ceram 15 g (Shades: OD1, OD2, OD3, OD4, FL1, FL2, FL3, FL4, FL5, FL6, ICE1, ICE2, CI1, CI2, CI3, N1, N2, N3, N4, G1, G2) 1 Lava Ceram Modeling Liquid 40 ml, 1 Lava Ceram Performer Set Shade Guide
68721	**Lava Ceram Pop Art Set** 1 Lava Ceram 5 g (Shades: I1, I2, I3, I4, I5, I6, I7, I8, I9, I10, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10) 1 Lava Ceram Glaze 15 g, Lava Ceram Stain & Glaze Liquid 40 ml, 1 Lava Ceram Modeling Liquid 40 ml

Item No.	Product Information		
	Standard packages 15/50 g each Dentin Porcelain in a Glass with the Shades		
68646	D A1, 15 g	**68500**	D A1, 50 g
68647	D A2, 15 g	**68501**	D A2, 50 g
68648	D A3, 15 g	**68502**	D A3, 50 g
68649	D A3.5, 15 g	**68503**	D A3.5, 50 g
68650	D A4, 15 g		
68651	D B1, 15 g	**68505**	D B1, 50 g
68652	D B2, 15 g	**68506**	D B2, 50 g
68653	D B3, 15 g		
68654	D B4, 15 g		
68655	D C1, 15 g		
68656	D C2, 15 g	**68510**	D C2, 50 g
68657	D C3, 15 g		
68658	D C4, 15 g		
	15 g each Dentin Porcelain in a Glass with the Shades		
68659	D D2, 15 g		
68660	D D3, 15 g		
68661	D D4, 15 g		
	15/50 g each Enamel Porcelain in a Glass with the Shades		
68662	E1, 15 g	**68520**	E1, 50 g
68663	E2, 15 g	**68521**	E2, 50 g
68664	E3, 15 g	**68522**	E3, 50 g
68665	E4, 15 g	**68523**	E4, 50 g
	15 g each Shoulder Ceramic in a Glass with the Shades		
68669	SH 1, 15 g		
68671	SH 3, 15 g		
68673	SH 5, 15 g		
	Framework Modifier in a Glass with the Shades		
68630	MO A1, 15 g	**68638**	MO B4, 15 g
68631	MO A2, 15 g	**68639**	MO C1, 15 g
68632	MO A3, 15 g	**68640**	MO C2, 15 g
68633	MO A3.5, 15 g	**68641**	MO C3, 15 g
68634	MO A4, 15 g	**68642**	MO C4, 15 g
68635	MO B1, 15 g	**68643**	MO D2, 15 g
68636	MO B2, 15 g	**68644**	MO D3, 15 g
68637	MO B3, 15 g	**68645**	MO D4, 15 g

Not all products of this catalogue are available in all countries.

Item No.	Product Information		
	Enamel Effect Porcelain in a Glass with the Shades		
68666	E5 Polar, 15 g		
68667	E6 Sun, 15 g		
	Transparent-opal Porcelain in a Glass with the Shades		
68677	T1 Neutral, 15 g		
68678	T2 Yellow, 15 g		
68679	T3 Blue, 15 g		
68680	T4 Grey, 15 g		
	Bleaching Shades		
68681	D W1, 15 g		
68682	D W2, 15 g		
68683	D W3, 15 g		
68684	MO W1, 15 g		
68685	MO W2, 15 g		
68686	MO W3, 15 g		
	High-Fluorescene Dentin Porcelains		
68696	FL1 Cream, 15 g	**68699**	FL4 Mango, 15 g
68697	FL2 Gold, 15 g	**68700**	FL5 Nougat, 15 g
68698	FL3 Corn, 15 g	**68701**	FL6 Olive, 15 g
	Opaque Dentin Porcelains		
68702	OD1 Ivory, 15 g	**68704**	OD3 Amber, 15 g
68703	OD2 Curry, 15 g	**68705**	OD4 Siena, 15 g
	High-Opalscene Transpa Porcelains		
68706	N1 Pearl, 15 g	**68708**	N3 Crystal, 15 g
68707	N2 Frost, 15 g	**68709**	N4 Snow, 15 g
	Transparent Opal Porcelains		
68710	ICE1 Diamant, 15 g	**68711**	ICE2 Flamingo, 15 g
	Cervical Incisal Transpa Porcelains		
68712	CI1 Lychee, 15 g	**68714**	CI3 Lemon, 15 g
68713	CI2 Apricot, 15 g		
	Gingiva Porcelains		
68715	G1 Light, 15 g	**68716**	G2 Dark, 15 g
	Correction Porcelains		
68717	CR1 Neutral, 15 g	**68718**	CR2 Yellow, 15 g

Item No.	Product Information
	Refills 5 g each, Magic Intensive Shade in a Glass with the Shades
68535	I1 Ocean blue
68536	I2 Atlantis
68537	I3 Chestnut
68538	I4 Havanna
68539	I5 Orange
68540	I6 Khaki
68541	I7 Vanilla
68542	I8 Honey
68543	I9 Gingiva
68544	I10 Violet
	Refills 5 g each, Stain in a Glass with the Shades
68597	S1 Ocean blue
68598	S2 Atlantis
68599	S3 Chestnut
68600	S4 Havanna
68601	S5 Orange
68602	S6 Khaki
68603	S7 Vanilla
68604	S8 Honey
68605	S9 Gingiva
68606	S10 Violet
	Refills
68676	1 Glaze 15 g
68555	1 Glaze 40 g, G
68546	1 Transparent-clear 50 g, CL
68668	1 Transparent-clear 15 g, CL
68585	1 Bottle Modelling Liquid 40 ml
68586	1 Bottle Modelling Liquid 300 ml
68584	1 Bottle Shoulder Ceramics liquid 40 ml
68589	1 Bottle Stain/Glaze Liquid 40 ml
68722	Shade Guide Frame Work Modifier
68723	Shade Guide Enamel/Transparent
68724	Shade Guide Shoulder/Magic Intensive
68725	Shade Guide Performer Set
68726	Shade Guide Dentin

Lava™ Network

Scanner & Software

Lava™ Scan ST

A Journey that starts with a Precise Scanner

The new Lava™ Scan ST offers benchmark scanning technology and unique properties allowing advanced restoration design. It is your access to the digital world of modern dentistry.

Product Benefits

- Unreached precision
- Fast scanning and convenient workflows
- High reliability and robust design

Technical Informations

- **Scan Volume:** 80 x 100 x 42 mm^3
- **Scanner Size:** Width: 545 mm, Height: 800 mm, Depth: 465 mm
- **Weight:** 45 kg
- Scan a single stump in about 10 sec.
- Non-contact, optical scanner with fringe projection triangulation for high accuracy
- Ergonomic scan handling – design and convenient handling with one hand height adjustment
- **Electrical Line Voltage:** 100 – 240 Volts
- **Frequency:** 50 Hz – 60 Hz
- **Power:** 250 Watt

Lava™ Scan ST

For order information, please contact your local 3M ESPE organization for more information.

Not all products of this catalogue are available in all countries.

Sinfony™

Light-Curing Composite

Sinfony™ Indirect Lab Composite is a microhybrid composite developed for laboratories and designed to build and layer like porcelain.

Master Set Sinfony™

Indications

Partial or complete veneering of

- Crowns and bridges in repair applications
- Telescope and cone crowns
- Galvanic double crowns
- Attachments
- Implant supra-constructions
- Adhesive bridges
- Glass fiber-reinforced crowns and bridges

Fabrication of non-reinforced

- Facings
- Inlays and onlays
- All-composite single crowns

Customisation of

- Dentures
- Denture teeth
- Protemp™ temporary restorations

Product Benefits

- Excellent aesthetics/translucency
- Superior wear characteristics as well as plaque and stain resistance
- Ease of finishing and polishing

Item No.	Product Information
49000	**Sinfony Master Set** 16 Dispensers Dentin Material 5g each, 4 Dispensers Incisal Material 5 g each, 2 Dispensers Enamel Effect Material 5 g each, 4 Dispensers Transpa Opal Material 5 g each, 5 Dispensers Opaque Dentin Material 5 g each, 9 Dispensers Magic Intensive Shades 5 g each, 16 Opaquer Powders 5 g each, 5 Intensive-Opaquer Powders 5 g each, 2 Opaquer Liquid 8 ml each, 10 ml Model Isolation, 5 ml Activation Liquid, Finishing Set, Handling Accessories

Item No.	Product Information		
	Individual packs		
	5 g each Dentin Material in Dispenser, in the Shades:		
49100	D A1	49190	D B4
49110	D A2	49210	D C1
49120	D A3	49220	D C2
49130	D A3.5	49230	D C3
49140	D A4	49240	D C4
49160	D B1	49260	D D2
49170	D B2	49270	D D3
49180	D B3	49280	D D4
	5 g each Incisal Material in Dispenser, in the Shades:		
49300	E1		
49310	E2		
49320	E3		
49330	E4		
	5 g each Enamel Effect Material in Dispenser, in the Shades:		
49340	E5 Polar		
49350	E6 Sun		
	5 g each Transpa Opal Material in Dispenser, in the Shades		
49360	T1 Neutral		
49370	T2 Yellow		
49380	T3 Blue		
49390	T4 Grey		
	5 g each Opaquer Powder in the Shades		
49600	A1	49690	B4
49610	A2	49710	C1
49620	A3	49720	C2
49630	A3.5	49730	C3
49640	A4	49740	C4
49660	B1	49760	D2
49670	B2	49770	D3
49680	B3	49780	D4
49860	8 ml Opaquer Liquid in a Bottle		
49870	5 ml Activation Liquid in a Bottle		
47180	10 ml Model Isolation in a Bottle		
	Sinfony Handling Accessories		
49910	Sinfony Dispenser Handpiece		
49920	Sinfony Ceramic Dish		
49950	Sinfony Glass Plate with Light Protection		
47801	80 One-way Brush		
74088	Handle for One-way brush		
	Sinfony additional items, page 96		

Sinfony™ Additional Items

Sinfony™ Magic Intensive Shades

allows the dental technician to imitate cracks and chips in enamel, lime spots, filling imitations, worn surfaces and the widest variety of features in the cervical, fissure or incisal area. The Magic Intensive shades opens up design possibilities such as were previously seen only on porcelain veneers.

Sinfony™ Opaque Dentins

imitates nature through the creation of dark and shadowed zones, by the play of light and shadow. Even in an extremely thin layer, the Opaque Dentins allow the denture to appear plastic and brilliant. The impressive hiding power of Opaque Dentins balances the shades especially in interdental spaces and cervical zones.

Particularly for the double crown technique, in which space restrictions allow only minimal layer thicknesses, the Opaque Dentin-Materials stop the transparency of the Opaquer and the associated change in the shade effect of the work. In spite of the increased opacity, the shades are adjusted in such a way that warm, vital tones of colour result. The colour matching to porcelain veneers and ready-made teeth is excellent.

Sinfony™ Intensive Opaquer

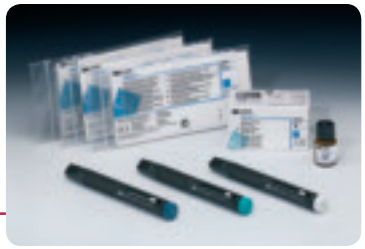
With the 5 Intensive-Opaquers, veneers can be characterised very individually: in all shades and to any required intensity.

Shades: pink, orange, brown, violet-grey, ochre.

Sinfony™ Enamel Effect and Transpa Opal Materials

The ceramist endeavours to create aesthetic restorations which can stand up to nature's light. 3M ESPE research has been successful in accomplishing a decisive step towards integrating the "play of light on teeth" into a composite veneer material by developing the Enamel-Effect-Materials "polar" and "sun", and the 4 Transpa-Opal-Materials neutral, yellow, blue and grey.

Using these materials, the light-optical properties of aesthetic restorations can be matched to the natural original in a fascinating and simple layering technique.



Magic Set Sinfony™

Item No.	Product Information
	Single Packs
	5 g each Magic Intensive Shades in Dispenser, in the Shades
49410	I1 Ocean blue
49420	I2 Atlantis
49430	I3 Chestnut
49440	I4 Havanna
49450	I5 Orange
49460	I6 Khaki
49470	I7 Vanilla
49480	I8 Honey Yellow
49490	I9 Gingiva
49491	I10 Red
49492	I11 Terracotta
	5 g each Opaque Dentin Material in Dispenser, in the Shades
49500	DO1 Yellow brown
49520	DO2 Brown
49530	DO3 Red brown
49540	DO4 Light green
49550	DO5 Green grey
	5 g each Intensive Opaquer Powder in the Shades
49810	IO1 Pink
49820	IO2 Orange
49830	IO3 Brown
49840	IO4 Violet-grey
49850	IO5 Ochre
	5 g each Enamel Effect Material in Dispenser, in the Shades
49340	E5 Polar
49350	E6 Sun
	5 g each Transpa Opal Material in Dispenser, in the Shades
49360	T1 Neutral
49370	T2 Yellow
49380	T3 Blue
49390	T4 Grey

Not all products of this catalogue are available in all countries.

Rocatec™

Micro-Abrasion Bonding/Coating for Metal, Ceramic and Plastic Materials

The Rocatec™ Universal Bonding System, from 3M™ ESPE™, provides everything you need to achieve an ideal surface preparation.

Rocatec™-Pre, -Plus, - Soft

Indications

- Crowns anterior
- Crowns posterior
- Bridges anterior
- Bridges posterior

Product Benefits

- Patented formula creates an ideal surface for optimal bonding
- Ideal for ceramics, composites, all porcelain fused-to-metals, aluminia and zirconia
- Provides excellent bond strength without marginal gap
- Allows bonding to normally non-retentive surfaces

3M ESPE Sil

ESPE Sil creates a silane layer on the silicate coated surface and produces the chemical bond with Sinfony™ Opaquer and the veneering material Sinfony™ from 3M ESPE.

Item No.	Product Information
68370	**Accessory Pack** 1 Rocatec-Pre 3.000 g (110 µm), 1 Rocatec-Plus 3.000 g (110 µm), 2 Bottles ESPE Sil, 8 ml each, 3 Rocatec Brushes, 1 Dispensing Dish
	Shipping Unit
68360	3 Rocatec-Pre, 3.000 g each (110 µm)
68350	3 Rocatec-Plus 3.000 g each (110 µm)
68340	3 Rocatec-Soft, 3.000 g each (30 µm)
	or as single pack in the market.
	Standard Packs
68300	1 Bottle 3M ESPE Sil 8 ml
71320	5 Rocatec Brushes

Reprogum™ F / Reprogum™

Polyether Precision Duplicating Material

Reprogum™ F / Reprogum™ are precision duplicating materials on a polyether base. Individually dispensable.

Bottles Reprogum™ F Components I, II, Catalyst

Indications

- Applicable for the duplication of master models especially for all-ceramic restorations requiring a refractory investment model and when inlays, onlays, cantilevers and other precision attachments are being fabricated

Product Benefits

- Exact reproduction of detail, high tear strength, best consistency of form
- For optimum duplicate plaster, investment material and modelling resin models
- Economical, time-saving and efficient because only the required amount needs to be dispensed
- Reprogum F features multiple casting possibilities and short production time for the duplication

Item No.	Product Information
	Shipping Unit Reprogum F
85370	3 Bottles Component I, 5.500 g each with Instructions on the Container
85380	3 Bottles Component II, 1.500 g each
85390	3 Bottles Catalyst, 205 g each
	or as single pack in the market
	Standard Packs Reprogum F
85340	1 Dispensing Pump for Component I with Instructions
85350	1 Dispensing Pump for Component II with Instructions
85360	1 Dispensing Pump for Catalyst, assembled

Vestogum™

Gingiva Modelling Material

Indications

- Applicable for combination works, telescopic works, anterior tooth area
- Forming of different tooth lengths
- Color rating of the veneer material
- Controlled modellation

Product Benefits

- Quick and exact reconstruction of the gingiva
- Helps the dental technician, particularly with the production of anterior crowns and bridges
- Makes potential pressure spots and cosmetic defects visible on the model
- Matches the natural colour of the gingiva, and therefore allows reliable shade control of the veneers

- **Setting time (from begin of mix):** 8:00 min.

Standard Pack Vestogum™

Item No.	Product Information
86020	**Standard Pack** 1 Base Paste 120 g, 1 Catalyst 15 g, 1 Mixing Pad

Visio™ Form

Light-Curing Pattern Resin

Visio™ Form is a light-curing modelling resin for the requirements of modern casting techniques.

Indications

- Applicable for the modelling of conical crowns, telescopic crowns, and their variations
- Inlays and onlays for casting
- Model cast extensions without a duplicate model
- Adhesive bridges and soldering-models for blocking

Product Benefits

- Homogeneous cast objects
- High mechanical strength and low polymerisation shrinkage
- High impression precision
- Easy to lift away from the primary structures due to internal isolation

Standard Pack Visio™ Form

Item No.	Product Information
78420	**Standard Pack** 2 Dispensers, 4 g each (blue)

Not all products of this catalogue are available in all countries.

Visio™ Bloc

Light-Curing Block-out Resin

Visio™ Bloc is a light-curing block-out resin for precise abutment preparation.

Indications

- Applicable for blocking out undercuts
- Occlusal reconstruction of tooth stumps
- Correction and restoration of models and stumps
- Fixing of clamps in orthodontics

Product Benefits

- The single-component material which can block out defects and undercuts on the model quickly, precisely and securely
- Simple application with no sticking to the instrument
- Secure adhesion to plaster, plastic and epoxy resin models
- Thermostable in immersion and vacuum systems
- Following final polymerisation Visio-Bloc can be trimmed with carbide burs

Giant Pack Visio™ Bloc

Item No.	Product Information
78020	**Giant Pack** 6 Tubes, 2 g each (blue)

Nimetic™ Cem

Composite Attachment Cement

“Glueing instead of soldering”: Nimetic™ Cem is a composite attachment cement for the modern combination technique.

Indications

- Applicable for the adhering telescope or conical crowns to cast base plates
- Adhering anchors and pre-fabricated attachements to cast base plates

Product Benefits

- Superb adhesion and extreme strength values
- Ideal flow characteristics
- Accurate dispensing with the double cartridge
- Nimetic Cem bonds with the prosthetic plastic

- **Working time (from begin of mix):** 2:30 min.
- **Setting time (from begin of mix):** 4:00 min.

Standard Pack Nimetic™ Cem

Item No.	Product Information
81001	**Standard Pack** 1 Base Paste 2.5 g, 1 Catalyst 2.5 g in Double Measuring Syringe, 1 Spatula, 1 Mixing Pad, Accessories

Local Anaesthetics

Local Anaesthetics

Solutions for Injection
Ubistesin™
Ubistesin™ forte
Mepivastesin™
Xylestesin™-A
Aspiration Syringe
Pluraject™ 2
Summary of Product Characteristics
Page 102–105

3M ESPE

Ubistesin™ / Ubistesin™ forte

Solution for Injection

Ubistesin 1/200 000 for routine-type interventions and
Ubistesin 1/100 000 for more complex interventions.

Indications

Need-based dosage, unerring placement

- **Ubistesin™ 1/100 000**
  Local anaesthesia (infiltration and nerve-block anaesthesia) in dentistry. Ubistesin™ 1/100 000 is especially indicated for complicated procedures requiring prolonged anaesthesia.
- **Ubistesin™ 1/200 000**
  Local anaesthesia (infiltration and nerve-block anaesthesia) in dentistry during minor procedures.

Product Benefits

- Contains 4 % articaine with epinephrine (adrenaline) 1/100 000 and 1/200 000 respectively as a vasoconstrictor
- Contains only sulfite as a stabilizer (max. 0.31 mg)
- Cylindrical glass ampoules with inner coating of silicone for smooth and gentle injection and red (1/200 000) and gold (1/100 000) colour-coded aluminium caps – minimising the risk of confusion. Packaging in a stable metal box with a padded interior

Ubistesin™ 1/200000 – Tin with 50 cartridges

Item No.	Product Information
	Normal Packs
15010	**Ubistesin 1/200 000** 1 Tin with 50 cartridges (Redcap), 1.7 ml each; Local packaging available
15110	**Ubistesin 1/100 000** 1 Tin with 50 cartridges (Goldcap), 1.7 ml each; Local packaging available

Mepivastesin™

Solution for Injection

Mepivastesin™ for minor procedures in specific patient groups.

Indications

- For simple extractions as well as cavity and stump preparations
- Especially suitable for patients to whom vasoconstricting additives are contraindicated

Product Benefits

- Contains 3 % mepivacaine
- Contains no further additives and no epinephrine
- Cylindrical glass ampoules with inner coating of silicone for smooth and gentle injection and blue colour-coded aluminium caps – minimising the risk of confusion. Packaging in a stable metal box with a padded interior

Mepivastesin™ – Tin with 50 cartridges

Item No.	Product Information
13014	**Normal Pack** 1 Tin with 50 cartridges (Bluecap), 1.7 ml each; Local packaging available

Summary of Product Characteristics on page 104–105

Not all products of this catalogue are available in all countries.

Xylestesin™-A

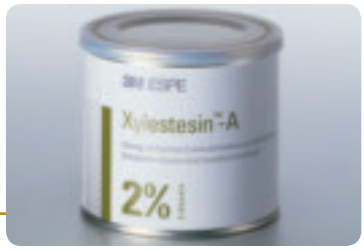
Solution for Injection

Indications

- For routine-type interventions

Product Benefits

- Contains 2% lidocaine with epinephrine (adrenaline) 1:80000 as a vasoconstrictor
- Contains only sulfite as a stabilizer (max 0.31 mg)
- Cylindrical glass ampoules with inner coating of silicone for smooth and gentle injection and green colour-coded aluminium caps. Packaging in a stable metal box with a padded interior



Xylestesin™-A – Tin with 50 cartridges

Item No.	Product Information
10810	**Normal Pack** 1 Tin with 50 cartridges (Greencap), 1.7 ml each; Local packaging available

Pluraject™ 2

Aspiration Syringe

Pluraject™ 2 is an aspiration syringe for cylindrical glass ampoules with perforated stoppers.

Indications

- Aspiration Syringe for 1.8 ml cylindrical glass ampoules with perforated stoppers
- For use with dental injection needles with metric and inch thread
- Manual aspiration (active)
- Self-aspiration (passive)

Product Benefits

- Lightweight and compact for better handling
- Easy loading and unloading of ampoules thanks to flip mechanism
- Active and passive aspiration possible

Pluraject™ 2 Syringe

Item No.	Product Information
76011	1 Syringe, complete, metric thread
76012	1 Syringe, complete, inch thread

Summary of Product Characteristics on page 104–105

3M ESPE Local Anaesthetics

Summary of Product Characteristics

Ubistesin 1/100000
40 mg/ml + 10 micrograms/ml
solution for injection

Ubistesin 1/200000
40 mg/ml + 5 micrograms/ml
solution for injection

COMPOSITION

Ubistesin 1/100000
1 ml solution for injection contains:
Active substances:

Articaine hydrochloride	40 mg
Epinephrine (Adrenaline) (as hydrochloride)	10 micrograms

Ubistesin 1/200000
1 ml solution for injection contains:
Active substances:

Articaine hydrochloride	40 mg
Epinephrine (Adrenaline) (as hydrochloride)	5 micrograms

Excipients:

Sodium sulphite (E 221)	0.6 mg

Sodium chloride, Water for injections, Hydrochloric acid 14% and Sodium hydroxide solution 9% for adjusting the pH-value

CLINICAL PARTICULARS

Therapeutic indications

Ubistesin 1/100000
Local anesthesia (infiltration and nerve-block anaesthesia) in dentistry.
Ubistesin 1/100000 is especially indicated for complicated procedures requiring prolonged anaesthesia.

Ubistesin 1/200000
Local anesthesia (infiltration and nerve-block anaesthesia) in dentistry during minor procedures.

Contraindications

Ubistesin is not allowed to be used in the event of
– children under 4 years of age (< 20 kg)
– hypersensitivity to the active substances, sodium sulphite (E221) or to any of the other excipients

Due to the local anaesthetic ingredient articaine, Ubistesin is not allowed to be used in the event of
– known allergy or hypersensitivity to local anaesthetics of the amide type
– severe impairment of the impulse initiation and conduction system of the heart (e.g. grade II and III AV block, pronounced bradycardia)
– acutely decompensated cardiac insufficiency
– severe hypotension
– patients who are known to have a deficiency in plasma cholinesterase activity
– haemorrhagic diatheses – particularly with nerve-block anaesthesia
– injection into an inflamed area

Due to the content of epinephrine as a vasoconstrictor admixture, Ubistesin is not allowed to be used in the event of
– Heart diseases such as:
  – unstable angina pectoris
  – recent myocardial infarction
  – recent coronary artery bypass surgery
  – refractory arrhythmias and paroxysmal tachycardia or high-frequency, continuous arrhythmia
  – untreated or uncontrolled severe hypertension
  – untreated or uncontrolled congestive heart failure
  – concomitant treatment with monoamine oxidase (MAO) inhibitors or tricyclic antidepressants

Due to the content of sulphite as excipient, Ubistesin, is not allowed to be used in the event of
– allergy or hypersensitivity to sulphite
– severe bronchial asthma
Ubistesin can provoke acute allergic reactions with anaphylactic symptoms (e.g. bronchospasm).

Special warnings and precautions for use

Ubistesin must be used with particular caution in the event of
– severe impairment to the renal function
– angina pectoris
– arteriosclerosis
– considerably impaired blood coagulation
– thyrotoxicosis
– narrow-angle glaucoma
– diabetes mellitus
– lung diseases – particularly allergic asthma
– pheochromocytoma

Accidental injection may be associated with convulsions, followed by central nervous system or cardiorespiratory arrest. Resuscitative equipment, oxygen, and other resuscitative drugs should be available for immediate use.

Since amide-type local anaesthetics are also metabolised by the liver, Ubistesin should be used with caution in patients with hepatic diseases. Patients with severe hepatic diseases are at greater risk of developing toxic plasma concentration.

The product should be administered with caution in patients with impaired cardiovascular function since they may be less able to compensate for functional changes associated with the prolongation of A-V conduction produced by these drugs.

The product should be administered with caution to patients with history of epilepsy.

There is a possibility of positive results on doping tests performed on sportsmen.

It should be taken into consideration that during treatment with blood coagulation inhibitors (e.g. heparin or acetylsalicylic acid), an inadvertent vasopuncture when administering the local anaesthetic can lead to serious bleeding, and that in general the hemorrhagic tendency is increased.

Inadvertant intravascular application must be avoided.

The lower blood flow in the pulp tissue due to the content of epinephrine and thus the risk to overlook an opened pulp has to be taken into account regarding cavity or crown preparations.

This medicinal product contains less than 1 mmol sodium (23 mg) per 1 ml, i.e. essentially “sodium-free”.

The product must be used with particular caution in patients taking phenothiazines or non-selective beta-blockers.

Precautions for use:

Each time a local anaesthetic is used the following medicinal products/therapy as well as an indwelling i.v. catheter set should be available:

– Anti-convulsant medicines (benzodiazepines or barbiturates), myorelaxants, atropine and vasopressors or adrenaline as well as an electrolyte solution for a severe allergic or anaphylactic reaction.
– Resuscitating equipment (in particular a source of oxygen) enabling artificial ventilation if necessary.
– Careful and constant monitoring of cardiovascular and respiratory (adequacy of ventilation) vital signs and the patient’s state of consciousness should be monitored after each local anaesthetic injection. Restlessness, anxiety, tinnitus, dizziness, blurred vision, tremors, depression, or drowsiness may be early warning signs of central nervous system toxicity.

Pregnancy and lactation

For Ubistesin no clinical data on exposed pregnancies are available. In regard of articaine animal studies do not indicate direct or indirect harmful effects with respect to pregnancy, embryonal/foetal development, parturition or postnatal development. Animal studies carried out with epinephrine have shown reproductive toxicity. The potential risk for humans is unknown.
Caution should be exercised when prescribing to pregnant women.

It is unknown whether articaine and epinephrine is excreted in human breast milk. The excretion of articaine and epinephrine in milk has not been studied in animals. A decision on whether to continue/discontinue breast-feeding or to continue/discontinue therapy with Ubistesin should be made taking in to account the benefit of breast-feeding to the child and the benefit of Ubistesin therapy to the women. Therefore, nursing mothers should milk and discard the first mother’s milk following anaesthesia with articaine.

Effects on the ability to drive and use machines

Although test patients have shown no impairment of their normal reactions when driving a vehicle, the dentist has to assess in each case the possible impairment of safety when operating a motor vehicle or machinery. The patient should not leave the dental office earlier than at least 30 minutes after the injection.

Undesirable effects

Due to the local anesthetic ingredient articaine, the following adverse effects can occur

Cardiovascular disorders
Rare (≥ 1/10,000 to < 1/1,000)
Decrease in heart rate, hypotension.
Drop in blood pressure, cardiac impulse conduction disorders, bradycardia, asystolia, cardiovascular arrest.

Nervous system disorders
Rare (≥ 1/10,000 to < 1/1,000)
Metallic taste, tinnitus, dizziness, nausea, vomiting, restlessness, anxiety, yawning, shaking, nervousness, nystagmus, logorrhoea, headache, increase in respiratory rate. Paresthesias (loss of sensation, burning, tingling) of the lip, tongue, or both.
These signs when they appeared required rapid corrective measures to prevent possible worsening.
Drowsiness, confusion, tremor, muscle twitching, tonic-clonic seizures, coma and respiratory paralysis.

Respiratory disorders
Rare (≥ 1/10,000 to < 1/1,000)
Tachypnea, then bradypnea, which could lead to apnoea.

Allergic reactions
Very rare (< 1/10,000)
One may observe manifestation of hypersensitivity to articaine as rash, pruritus edema, pruritus, and erythema as well as nausea, diarrhea, wheezing or anaphylaxis. Cross-reactivity to articaine has been reported in a patient with delayed hypersensitivity to prilocaine.
In general, patients with demonstrated hypersensitivity to articaine or other amides should receive an ester-group local anaesthetic for subsequent procedures.
The administration of large doses of articaine may produce methaemoglobinemia in patients with subclinical methaemoglobinemia.

Due to the content of epinephrine as a vasoconstrictor admixture, the following undesirable effects can occur

Cardiovascular disorders
Rare (≥ 1/10,000 to < 1/1,000)
Heat sensation, sweating, heart racing, migrainelike headache, blood pressure increase, angina pectoris disorders, tachycardias, tachyarrhythmias and cardiovascular arrest as well as acute oedematous thyroid swelling.

Due to the content of sulphite as excipient, the following undesirable effects can occur in very rare cases:
Allergic reactions or hypersensitivity reactions, particularly in bronchial asthmatics, which are manifested as vomiting, diarrhoea, wheezing, acute asthma attack, clouding of consciousness or shock.

Due to the content of both articaine and epinephrine, the following undesirable effects can occur

Nervous system disorders
2 weeks delayed onset of facial nerve paralysis has been described with articaine/epinephrine, the event still occur 6 months later.

PRESCRIPTION

Information shortened. For further details please refer to the Instructions for Use.

Date of revision of the text:
Ubistesin 1/100000 and 1/200000 October 2007

3M ESPE AG
ESPE Platz
D-82229 Seefeld, Germany

3M ESPE Local Anaesthetics

Summary of Product Characteristics

MEPIVASTESIN™

Active ingredient: Mepivacaine hydrochloride

COMPOSITION

1 ml solution for injection contains:
Active substance
Mepivcaine hydrochloride 30 mg

Excipients
Sodium chloride, Water for injections

CLINICAL PARTICULARS

Therapeutic indications

Infiltration anaesthesia and nerve-block in dentistry.
MEPIVASTESIN is indicated for simple extractions as well as cavity and stump preparations.
MEPIVASTESIN is especially suitable for patients to whom vasoconstricting additives are contraindicated.

Contraindications

Due to the local anesthetic ingredient mepivacaine, MEPIVASTESIN is not allowed to be used in the event of
– known allergy or hypersensitivity to local anesthetics of the amide type
– severe impairment of the nervous impulses and conduction system of the heart (e.g. grade II and III AV block, pronounced bradycardia)
– acutely decompensated cardiac insufficiency
– severe hypotension

Special warnings and special precautions for use

MEPIVASTESIN must be used with particular caution in the event of
– severe impairment to the renal or hepatic function
– angina pectoris
– arteriosclerosis
– injection into an inflamed area
– considerable impaired blood coagulation

Please note that with patients taking anticoagulants (e.g. heparin or acetyl salicylic acid), an inadvertent vascular puncture during injection may lead to severe hemorrhage, and the hemorrhage disposition is generally increased.

Erroneous intravascular application must be avoided.

Pregnancy and lactation

Pregnancy
There are no clinical studies regarding the application of mepivacaine hydrochloride during pregnancy. Animal studies have not provided adequate insights in view of possible effects of mepivacaine hydrochloride on pregnancy, embryofetal development, childbirth and postnatal development.
Mepivacaine hydrochloride passes the placental barrier and reaches the unborn child.
As compared to other local anesthetics, when using mepivacaine during the first trimester of the pregnancy an increased risk of malformations cannot be excluded, during early pregnancy mepivacaine should only be used, if no other local anesthetics are available.

Lactation
It is unknown in which doses mepivacaine hydrochloride reaches the breast milk. If its application is necessary during lactation, breastfeeding may be resumed after about 24 hours.

Effects on the ability to drive and use machinery

In sensitive patients, the injection of MEPIVASTESIN may be followed by a temporary impairment of reactions, e.g. in traffic. The physician must decide from case to case whether the patient should be allowed to operate a motor vehicle or machinery.

Undesirable effects

Due to the local anesthetic ingredient mepivacaine, the following side effects can occur from the use of MEPIVASTESIN:
Milder central nervous symptoms involve metallic taste, tinnitus, dizziness, nausea, vomiting, restlessness, anxiety, initial increase in respiratory rate.
More severe symptoms are drowsiness, confusion, tremor, muscle twitching, tonoclonic spasms, coma and respiratory paralysis.
Severe cardiovascular episodes are seen in the form of a drop in blood pressure, asequence, bradycardia, cardiovascular arrest.

Allergic reactions to mepivacaine are extremely rare.

PRESCRIPTION

Information shortened. For further details please refer to the Instructions for Use.

Date of revision of the text:
May 2005

3M ESPE AG
ESPE Platz
D-82229 Seefeld, Germany

XYLESTESIN™-A

COMPOSITION

1 ml solution for injection contains:

Lidocaine hydrochloride	20 mg
(R)-Epinephrine hydrochloride (equivalent to 0.0125 mg base)	0.015 mg
Excipients:	
Sodium sulphite max. (corresponding to 0.31 mg SO_2)	0.6 mg

Sodium chloride, Water for injections

CLINICAL PARTICULARS

Therapeutic indications
Infiltration anesthesia and nerve-block in dentistry.

Contraindications
Due to the local anesthetic ingredient lidocaine, XYLESTESIN-A cannot be used in the event of
– known allergy or hypersensitivity to local anesthetics of the amide type
– severe impairment of the nervous impulses and conduction system of the heart (eg grade II and III AV block, pronounced bradycardia)
– acutely decompensated cardiac insufficiency (acute failure of cardiac output)
– severe hypotension (very low blood pressure)

Due to the content of epinephrine as a vasoconstrictor admixture, XYLESTESIN-A also cannot be used in the event of
– paroxysmal tachycardia or high-frequency, continuous arrhythmia
– pronounced coronary insufficiency
– severe hypertension (high blood pressure)
– thyrotoxicosis (hyperactivity of the thyroid)
– narrow-angle glaucoma
– decompensated diabetic metabolic condition
– pheochromocytoma
– concurrent treatment, or treatment during the past 14 days, with tricyclic antidepressants of monoamine oxidase (MAO) inhibitors.

Warning

XYLESTESIN-A must not be used in persons who are allergic or hypersensitive to sulphite, as well as in persons with severe bronchial asthma. In these persons, XYLESTESIN-A can provoke acute allergic reactions with anaphylactic symptoms (e.g. bronchospasm).

Special warnings and special precautions for use

XYLESTESIN-A must be used with particular caution in the event of
– severe impairment to the renal or hepatic function
– angina pectoris (tightness in the chest)
– arteriosclerosis (vascular sclerosis)
– injection into an inflamed (infected) area
– considerably impaired blood coagulation
Erroneous intravascular application must be avoided!

Pregnancy and lactation

No sufficient studies of the use of XYLESTESIN-A during pregnancy are available for evaluating the safety of its application. Above all, during the early stages of pregnancy XYLESTESIN-A should be used only after careful consideration of the benefit-risk ratio.
A relevant transfer of the active ingredients to the breastmilk is not to be anticipated, as they are rapidly decomposed and eliminated.

Effects on the ability to drive and use machinery

In sensitive patients, the injection of XYLESTESIN-A may be followed by a temporary impairment of reactions, e.g. in traffic. The physician must decide from case to case whether the patient should be allowed to operate a motor vehicle or machinery.

Undesirable effects

Due to the local anesthetic ingredient lidocaine, the following side effects can occur from the use of XYLESTESIN-A:
Milder central nervous symptoms involve metallic taste, tinnitus, dizziness, nausea, vomiting, restlessness, anxiety, initial increase in respiratory rate.
More severe symptoms are drowsiness, confusion, tremor, muscle twitching, tonoclonic spasms, coma and respiratory paralysis.
Severe cardiovascular episodes are seen in the form of a drop in blood pressure, asequence, bradycardia, cardiovascular arrest.
Allergic reactions to lidocaine are most rare.

Undesirable effects which can occur due to the admixture of epinephrine as vasoconstrictor:
Symptoms such as heat sensation, sweating, heart racing, headache, blood pressure increase, anginal disorders, tachycardias, tachyarrhythmias and cardiovascular arrest cannot be ruled out.

SPECIAL WARNINGS:
Due to the content of anhydrous sodium sulphite, allergic reactions or hypersensitivity reactions can ensue in isolated cases, particularly in bronchial asthmatics, which are manifested as vomiting, diarrhoea, wheezing, acute asthma attack, clouding of consciousness or shock.

PRESCRIPTION

Information shortened. For further details please refer to the Instructions for Use.

Date of revision of the text:
May 2001

3M ESPE AG
ESPE Platz
D-82229 Seefeld, Germany

Infection Control

Infection Control

Infection Control
Impresept™ Disinfectant
3M™ Comply™ Indicator Tape
3M™ Face Masks
3M™ Breathing Mask
Page 108–109

3M ESPE

Impresept™

Immersion Disinfectant

Impresept™ is a universal disinfectant for immersion of impression materials and trays.

Product Benefits

- For alginates, hydro-colloids, vinyl polysiloxanes, polyether and polysulfides
- Active against bacteria, fungi and viruses like HIV, HBV and BVDV-Surrogate of HCV
- DGHM certified and listed
- Very good material compatibility
- Ready-for-use solution
- Short action time: 10 min.
- Cleansing effect with the help of special surfactants
- High user comfort – complete system

- **Action time for all impressions: 10:00 min.**

Impresept™ and Immersion Bath III

Item No.	Product Information
25125	**Introductory Kit** 6 x Impresept in foilbag, 1.1 litre each
	Refills
25040	1 Immersion Bath II for max. 6 impressions
25030	1 Immersion Bath III for max. 2 impressions (with sound signal)

3M™ Comply™

Indicator Tape

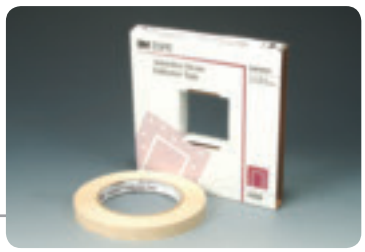
For a reliable identification of the sterilisation process.

Product Benefits

- For steam sterilization
- Excellent adhesion

Technical Data

Size of the indicator tape: 19 mm wide, 55 m long
Thickness of the crepe paper: 0.11 mm



3M™ Comply™ Indicator Tapes

Item No.	Product Information
1222-B	1 Roll Comply Indicator Tape for Steam Sterilisation

3M™ Face Masks

3M is a leading manufacturer of dental face masks and offers a complete line of fluid resistant face masks.

The masks protect the wearer from contamination by microorganisms. Different types of masks are available to suit different wishes and requirements.

Tie-On OP Mask (No. 1818)

- Fluid resistance
- Contains no fibreglass – no skin irritation
- Soft and comfortable

Elastic Band OP Mask (No. 2000 F)

- Fluid resistance
- Contains no fibreglass – no skin irritation
- Comfortable for the wearer

Aseptex Plus (No. 1942 FB)

- Fluid resistant moulded mask
- The outstanding moulded shape makes it one of the most comfortable masks on the market
- Contains no fibreglass – no skin irritation
- 2 layers
- 99% filtration efficiency
- Glasses do not fog up

Tie-On OP Mask (No. 1818)

Elastic Band OP Mask (No. 2000 F)

Aseptex Plus (No. 1942 FB)

3M™ Breathing Mask

This 3M™ breathing mask No. 8825 is intended for use in areas where the risk of infection is high or the respiratory tract is at risk. The German BG Institute for Safety at Work (BIA) generally recommends the use of breathing masks.

- Protection level FFP2 to protect against bacteria, fungi and spores
- Corresponds to EN 149, protection level FFP2
- High wearer comfort due to a soft foam sealing lip
- Mask has a large surface area, ensuring maximum filter performance while minimising the build up of heat inside the mask
- An expiratory valve reduces the resistance to breathing and thereby prevents the build up of moisture inside the mask

Breathing Mask (No. 8825)

Item No.	Product Information
1818	50 Tie-On OP Masks
2000 F	50 Elastic Band OP Masks Fluid Resistant
1942 FB	50 Aseptex Plus (blue) Fluid Resistant Moulded Masks
8825	5 Breathing Masks

Repair Systems

Repair Systems

Repair Systems
CoJet™
Rocatec™ junior
RelyX™ Ceramic Primer
Page 112–113

3M ESPE

CoJet™

Adhesive Repair and Pretreatment prior to Cementation

The CoJet™ system is an intraoral adhesive repair of defective veneering made of composite or porcelain. It is a simple and safe method for the intraoral repair of indirect restorations.
CoJet™ enables the attachment of composite to ceramic and metal surfaces adhesively.

CoJet™ System Set

Indications

- Intraoral adhesive repair of defective veneering made of composite or porcelain
- Extraoral pre-treatment of inlays and onlays, veneers, crowns and bridges, pins and posts for adhesive luting

Product Benefits

- Long-lasting repair of defective veneering
- Reliable chemical bond between composites and all dental alloys
- Intraoral use of the 3M ESPE Rocatec system proven in veneering technology

Item No.	Product Information
68420	**CoJet System Set** 1 Microblaster CoJet Prep, 1 CoJet Sand 40 g, 1 Bottle 3M ESPE Sil 8 ml, 1 Bottle Visio Bond 2.5 ml, 1 Sinfony Opaquer Powder 5 g, Shade A3, 1 Sinfony Opaquer Liquid 8 ml
68421	**Introductory Kit** 1 CoJet Sand 40 g, 1 Bottle 3M ESPE Sil 8 ml, 1 Bottle Visio Bond 2.5 ml, 1 Sinfony Opaquer Powder 5 g, Shade A3, 1 Sinfony Opaquer Liquid 8 ml
	Refills
68411	3 CoJet Sand, 40 g each
68300	1 Bottle 3M ESPE Sil 8 ml
42614	1 Bottle Visio Bond 2.5 ml
47801	80 Single-Use Brushes
74088	1 Brush Grip for Single-Use Brushes
49620	1 Sinfony Opaquer Powder 5 g, Shade A3*
49860	1 Sinfony Opaquer Liquid 8 ml
	* further Shades see 3M ESPE Sinfony System
Caution:	Connectors and adapters necessary for the connection e.g. to the operatory unit are not included in the CoJet-System!

Not all products of this catalogue are available in all countries.

Rocatec™ junior

Coating System

Product Benefits

- The blasting module mixes the Rocatec-Plus into the air current uniformly, even at an operating pressure of only 2.8 bar
- The performance of the unit can be monitored and regulated perfectly with the easily legible pressure gauge
- As this unit includes a pressure reduction valve with integral water collector, it supplies compressed air free of water or oil to ensure that the Rocatec system operates reliably
- Due to the mobile format of the Rocatec junior it is easy to transport

Technical Data

- Dimensions: (W x H x D) 220 x 260 x 130 mm
- Weight: 2.200 g
- Compressed air: (max.) 10 bar
- Operation pressure: 2.8 bar

Rocatec™ junior Blasting Module

Item No.	Product Information
	Rocatec junior Coating System
77031	1 Blasting Module

RelyX™ Ceramic Primer

Silane Coupling Agent

Indications

- Silaniziation of ceramic or metal restorations before cementation
- Silanization of ceramic or metal during repairs of ceramic works
- Chairside repairs of damaged ceramic crowns and blends

Product Benefits

- Enhances bonds to porcelain ceramic, composite and metal surfaces for improved performance
- Easy and simple handling

RelyX™ Ceramic Primer

Item No.	Product Information
2721	1 Ceramic Primer, 5 ml

Devices, Accessories and Spare Parts

Devices, Accessories and Spare Parts

Automatic Mixing Unit for Impression Materials

Pentamix™ 3

Mixing Units for Capsules

RotoMix™

CapMix™

Polymerization Unit

Elipar™ S10

Laboratory Equipment

Visio™ Alfa

Visio™ Beta vario

Accessories and Spare Parts for all Devices

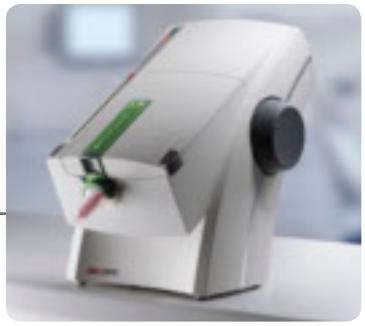
Page 116–120

Pentamix™ 3

Automatic Mixing Unit

reddot design award winner 2009

With the touch of a button, the Pentamix™ 3 Automatic Mixing Unit delivers a completely homogeneous mix for exceptionally accurate impressions and perfectly fitting restorations… every time.



Pentamix™ 3 Automatic Mixing Unit

For automatic mixing of the following Penta™ Impression Materials

Product Range

Polyether Impression Materials
Impregum™ Penta™ Soft
Impregum™ Penta™ Soft Quick
Impregum™ Penta™ H DuoSoft™
Impregum™ Penta™ H DuoSoft™ Quick
Impregum™ Penta™ L DuoSoft™
Impregum™ Penta™
Permadyne™ Penta™ H
Permadyne™ Penta™ L

VPS Impression Materials
Express™ 2 Penta™ Putty
Express™ 2 Penta™ Putty Soft
Express™ 2 Penta™ H
Express™ 2 Penta™ H Quick
Express™ 2 Penta™ H Universal Quick

VPS Alginate Replacement
Position™ Penta™
Position™ Penta™ Quick

Polyether Bite Registration Material
Ramitec™ Penta™

Item No.	Product Information
	Pentamix™ 3 Automatic Mixing Unit
77871	1 Pentamix 3 – 230 V Western Europe
77872	1 Pentamix 3 – 230 V CH
77873	1 Pentamix 3 – 230 V GB

Product Benefits

- **Fastest automatic mixer worldwide** – Mixes and dispenses Penta™ materials faster than any other automatic mixing unit
- **Faster work procedure** – Enables quick-setting materials and reduces stress for assistants
- **Smallest automatic mixing unit on the market** – Compact design saves valuable counter/wall space
- **Enhanced handling** – Handles more convenient and ergonomic with one-button operation from both sides of the unit, easier cartridge exchange and easy-to-attach mixing tips
- **Contemporary and robust design**

Technical Data

- Mixer shaft speed 380–760 rpm
- Rate of dispensing 150 ml/min.
- Extrusion force up to 6.500 N – electronically limited to 10.000 N (± 20 %)
- Weight 9.8 kg
- Dimensions L 283 mm x W 225 mm x H 280 mm
- Wall mounting available

Not all products of this catalogue are available in all countries.

RotoMix™

Rotating Capsule Mixing Device

2004 REALITY Five Star Award ★★★★★ REALITY'S CHOICES

The RotoMix™ Capsule Mixing Device delivers a completely homogenous mix with the rotation mixing principle.

RotoMix™ Capsule Mixing Unit

Product Benefits

- Rotating platform with simultaneously counterrotating capsule holder produces the most complete mix
- Automatic centrifugal cycle produces a denser mix and virtually void-free material
- Mixing time reduced by 30% on average (compared with CapMix™)
- Easy loading/unloading of capsules
- Extremely quiet operation
- Touchpad features both pre-set (8 and 10 sec.) and programmable setting (1–39 sec.) for easy operation

Technical Data

Mixing speed:	2850 rotations per minute
Centrifugation speed:	2950 rotations per minute
Dimension:	(W x H x D) 180 x 210 x 250 mm
Weight:	4000 g

Item No.	Product Information
	RotoMix Capsule Mixing Units
76300	1 RotoMix – 230 V/50 Hz EU
76301	1 RotoMix – 230 V/50 Hz GB
76303	1 RotoMix – 230 V/50 Hz CH

CapMix™

Capsule Mixing Device

THE DENTAL ADVISOR ++++½

The CapMix™ Capsule Mixing Device is a practical capsule holder, which can be used with all types of 3M ESPE Mixing Capsules.

CapMix™ Capsule Mixing Unit

Product Benefits

- Touchpad features both pre-set (10 and 15 sec.) and programmable setting (1–39 sec.) for easy operation
- Extremely quiet operation
- With a user-friendly and easy-to-clean touchpad

Technical Data

Mixing speed:	4300 oscillations per minute
Dimension:	(W x H x D) 195 x 160 x 195 mm
Weight:	3750 g

Item No.	Product Information
	CapMix Capsule Mixing Units
76190	1 CapMix – 230 V/50 Hz EU
76191	1 CapMix – 230 V/50 Hz CH
76193	1 CapMix – 230 V/50 Hz GB

Elipar™ S10

LED Curing Light

reddot design award
winner 2010

THE DENTAL ADVISOR

To maximize efficiency, the Elipar™ S10 Curing Light offers all the features you want – and not ones you may never use. For polymerization of light-curing dental materials.

Elipar™ S10 LED Curing Light

Product Benefits

- One-piece stainless steel casing is extraordinarily robust and easy to disinfect
- Unique ergonomic V-shape with simple two-button operation provides a comfortable grip from any angle
- With 1200 mW/cm² intensity you get up to 3 times more intensity at the clinically relevant distance of 7 mm*

Technical Data

Wavelength range:	430–480 nm
Light Intensity:	1200 mW/cm² ±10 % (independent of battery power level)
Power Supply:	Lithium-ion battery
Handpiece:	
Dimensions:	(∅ x L) 28 x 270 mm, (1.10 x 10.63 in)
Weight:	250 g (0.55 lb) (incl. light guide)
Charger:	
Dimensions:	(L x W x H) 170 x 95 x 50 mm, (6.69 x 3.74 x 1.96 in)
Weight:	650 g (1.43 lb)

* compared to leading devices tested

Item No.	Product Information
76951	1 Elipar S10 LED Curing Light
	Accessories
76958	1 Elipar S10 Light Guide, 10 mm
76959	1 Elipar S10 Light Guide, 3 mm
76957	1 Elipar S10 Eye Shield
76956	1 Elipar S10 Rechargeable Battery

Not all products of this catalogue are available in all countries.

Visio™ Alfa

Light Unit for 3M ESPE Sinfony™ Prepolymerization

Light unit for pre- and intermediate polymerization.

Product Benefits

- With the Visio Alfa, direct and functional layering becomes possible
- The proximity sensor automatically controls the light source, as soon as the object is positioned at the correct distance from the lamp
- Visio Alfa is suitable for all 3M ESPE light-cured composites, such as Sinfony™, Visio™-Form, Visio™-Bloc from 3M ESPE

Technical Data

Voltage:	230 V/110 V
Dimension:	(W x H x D) 81 x 270 x 320 mm
Weight:	2800 g
Lightwave length:	400–550 nm

Visio™ Alfa

Item No.	Product Information
77120	**1 Visio Alfa Light Unit 230 V**

Accessories and Spare Parts see page 120

Visio™ Beta vario

Light Unit for 3M ESPE Sinfony™ Polymerization

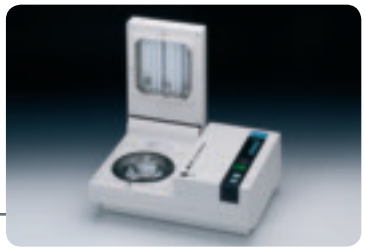
Light unit for final vacuum polymerization.

Product Benefits

- Polymerization in the Visio Beta Vario guarantees the strength and colour stability of Sinfony Veneers
- The mirrored polymerization chamber guarantees complete illumination and therefore deep and thorough polymerization
- Visio Beta Vario with three additional programs for versatile use
- The vacuum technique of Visio Beta Vario pump revents the formation of a smear layer

Technical Data

Voltage:	230 V/110 V
Dimension:	(W x H x D) 360 x 135 x 280 mm
Weight:	6400 g
Lightwave length:	400–550 nm



Visio™ Beta vario

Item No.	Product Information
	Visio Beta vario Light Units
77100	1 Visio Beta vario Light unit 230 V
77101	1 Visio Beta vario Light unit 230 V CH
77103	1 Visio Beta vario Light unit 230 V GB
77105	1 Visio Beta vario Light unit 120 V

Accessories and Spare Parts see page 120

* contains Mercury-Dispose of Properly!

Accessories and Spare Parts

Penta™ Mixing Tips

Item No.	Product Information
71512	50 Penta Mixing Tips Red

Penta™ System Accessory

Item No.	Product Information
71210	1 Penta Elastomer Syringe, complete
71200	10 Spare Barrels for Penta Elastomer Syringe
71225	12 Application Tips for Penta Elastomer Syringe
77720	1 Knurled Nut for Penta Elastomer Syringe

Pentamix™ Accessory

Item No.	Product Information
77780	1 Pair Penta Plunger Discs
77601	1 Pentamix 3 Wall-Mount Kit
77600	1 Pentamix Wall Mounting (for Pentamix 2/1)
950916	1 Pentamix Mounting Kit Twist Grip (for Pentamix 2/1)
78-9902-4162-8	1 Pentamix Case Lid (for Pentamix 2/1)

Elipar™ FreeLight Accessory

Item No.	Product Information
	Accessory fits for Elipar FreeLight and Elipar FreeLight 2
76946	1 Elipar FreeLight Large Eyeshield, ∅ 70 x 40 mm
76941	1 Elipar FreeLight Turbo light guide, ∅ 8 mm
76942	1 Elipar FreeLight Proxi light guide, ∅ 3 mm
76943	1 Elipar FreeLight Maxi light guide, ∅ 13 mm
76940	1 Elipar FreeLight NiHM Battery
76945	1 Elipar FreeLight Table holder

Elipar™ Accessory

Item No.	Product Information
	Accessory Elipar TriLight, Elipar Classic, Elipar HighLight
76910	1 Elipar TriLight Mini-spot lamp
76710	1 Elipar Classic Mini-spot lamp (also compatible with Elipar HighLight)
	Light Guides (are compatible with Elipar TriLight, Elipar Classic and Elipar HighLight)
76640	1 Standard light guide, ∅ 10 mm
76670	1 Maxi light guide, ∅ 13 mm
78-8060-9549-9	1 Wall mounting (compatible with Elipar 2500, XL 3000)

CapMix™ Accessory

Item No.	Product Information
78-9902-4128-9	1 Capsule Holder Complete Set

RotoMix™ Accessory

Item No.	Product Information
78-9902-4174-3	1 RotoMix Motor Axle Cap

Rocatector™ delta Accessory

Item No.	Product Information
68270	1 Sandblasting module
68260	5 Glass panels (Rocatector delta)
68130	1 Hand stylus jet
65068	1 Hand piece with hose
65075	1 Pair fabric cuff (replacement set)

Visio™ Alfa Accessory

Item No.	Product Information
77110	1 Work tray
77180	1 Orange filter
77160	1 Ellipsoid lamp (as Elipar 1)*
77190	1 Light guide
	*) Fits for ELIPAR 1

Visio™ Beta vario Accessory

Item No.	Product Information
77170	2 Fluorescent lamps LB 1
77143	1 Vacuum pump 220 V
77150	1 Bottle oil for vacuum pump 500 ml
	Please contact the 3M ESPE Service for further information about our Spare Parts.

Not all products of this catalogue are available in all countries.

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