Catalogue

EN | Solutions for the dental laboratory

Zhermack
Dental

Catalogue
2022

Zhermack

Zhermack

Progress, constantly. Creating value, to make the quality of the products accessible to the world. With creativity, and especially with the ability to transform every challenge into a development opportunity. To dynamically seize the market trends and understand the needs of partners, clients and customers. To make our solutions accessible worldwide. All this is the basis of Zhermack's growth, and since its foundation, over 40 years ago, the company has never ceased to develop and grow.

The clarity of the dream continues to drive Zhermack along this road, to "make you feel confident in everyday life". This is Zhermack's goal and philosophy of life. And it is a dream that is realised every day. Because everything aims at transmitting confidence. The way is charted with the awareness that Zhermack must contribute to improve oral health throughout the world, now and for future generations.

The contribution of Zhermack to people's oral health stems from the value that is given to the quality of its products. A quality that is born from scientific research and from the commitment to continuous education, to reach and always set new goals that contribute to improve the lives of people all over the world.

Zhermack
Dental

«Zhermack is a company that is committed with constancy to creating value, to make the quality of its products accessible worldwide. Zhermack's success resides in its ability to be creative, to transform every challenge into a growth opportunity, and to be dynamic, in order to seize the market trends and understand the needs of partners, clients and end customers».

Paolo Ambrosini
General Manager

Our solutions.

Specific products and solutions for the dental laboratory, conceived exploiting the skills acquired with materials for the dental practice. Starting from development and production of duplication silicones and masks, Zhermack has extended its offer with quality products such as dental stones, resins and investments to satisfy the needs of the numerous laboratory processes involved in the fabrication of fixed and removable prostheses. A system to accompany lab technicians in their daily work.

We produce measurable results.

Zhermack directly manages all the working stages - from formulation to packaging, from the production of raw materials to the mixing - to produce all its solutions. Validated and controlled processes are the guarantee with which Zhermack is able to offer products that are constant in their characteristics, as well as certified in quality.
This, together with the technological and process integration adopted over time, is what makes Zhermack one of the major producers in the field of dental products.

Quality, certified. Year after year.

Zhermack meets the needs of its customers, maintaining and improving its Quality Management System day after day. Zhermack started its certification process in 1993.
Today the global regulatory framework is very complex and, to simplify access to the global market for its products, Zhermack has taken a big step in 2018: EN ISO 13485:2016 and MDSAP (Medical Device Single Audit Program) certifications.

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NOTE: The images and texts related to the technical data of the individual products and accessories may be changed during the period of validity of the catalogue. The images are only representative of the showed products. Not all products are sold in every country. For further information on product availability, please contact your local representative.

Solutions for the dental laboratory

Hygiene

Impressions arriving from the dental practice are often contaminated with saliva and blood. Correct disinfection is vital to protect the health of laboratory technicians.
Zhermack **disinfectants** with a **broad spectrum of action** are **enhanced with surfactants to improve the flow of the stone during pouring**.

- Zeta 7 Spray (with surfactants)
- Zeta 7 Solution (without surfactants)

Model preparation

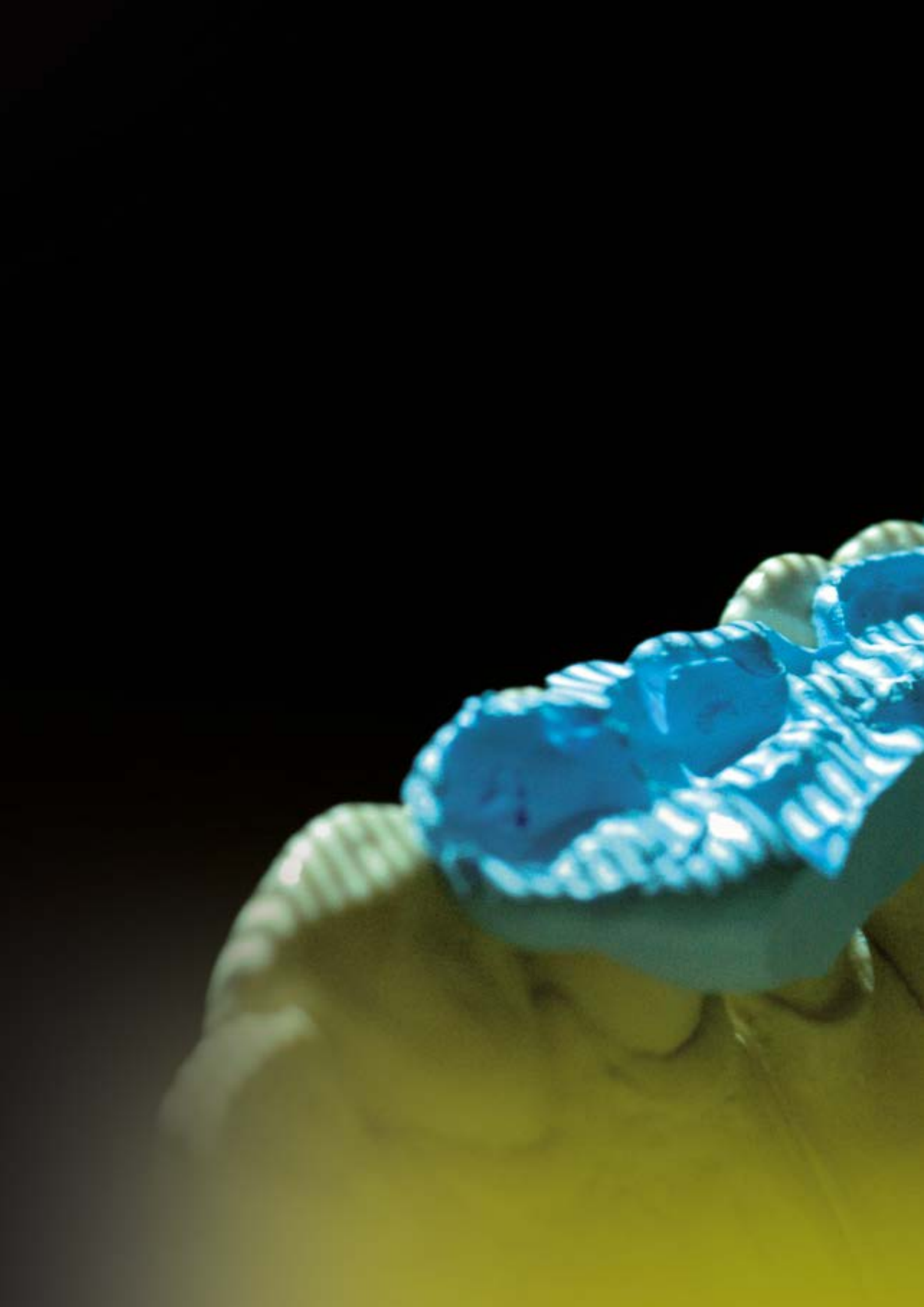
An accurate model is the basis of every well-made prosthesis.
Zhermack offers a **complete system** of impression materials, materials for models and equipment, all developed to be used as a system to ensure maximum precision. It also offers a series of scannable products to facilitate the lab technician with **CAD/CAM technology**.

- Platinum
- Zetalabor and Titanium
- Elite Double
- Gingifast
- Elite Dental Stones

Prosthesis preparation

The prosthodontic market requires ever more speed and precision. Thanks to more than 40 years' experience, Zhermack has developed a wide offer to **optimise time in the laboratory**, without compromising on quality.

- Elite LC Tray
- Acrytemp
- Elite Vest



CAD/CAM solutions

The CAD/CAM solutions developed by Zhermack combine traditional techniques (impression taking, model preparation, prosthesis) with the most innovative digital techniques.
Saving time in data acquisition, simplifying and improving the quality of CAD/CAM processes.

The Zhermack offer includes a wide range of scannable silicones and stones readable without using reflective sprays.

BITE REGISTRATION
Platinum 75 CAD 12
Occlufast CAD 13

STONE MODELS
Elite Master 14
Elite Rock 14

GINGIVAL REPRODUCTION
Gingifast CAD 15

Platinum 75 CAD is an addition silicone recommended for all CAD/CAM users for making scannable bite regulation keys in the articulator.

Platinum 75 CAD

Characteristics

- Accurate reproduction of details
- 75 Shore A hardness
- Mixing ratio 1:1

Advantages

- Quicker working time to improve efficiency in the laboratory
- Easy to finish, including with bur
- Scannable without using reflective sprays

Platinum 75 CAD scan

Mixing time (min:s)	Working time* (min:s)	Setting time* (min:s)	Detail reproduction (µm)	Elastic recovery	Strain in compression	Linear dimensional change (after 24 h)	Hardness (Shore A after 24 h)	Heat resistance
0:30	1:00	7:00	20	> 99.5 %	< 1 %	0.05 %	75	200 °C

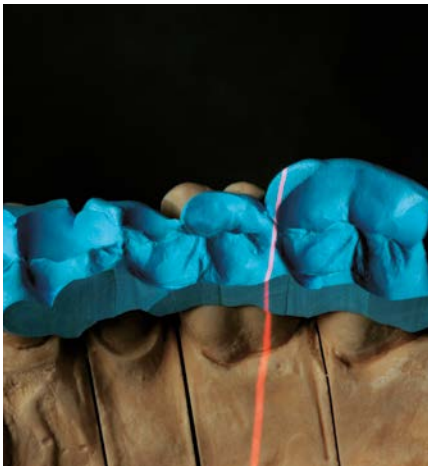
*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Platinum 75 CAD - A-Silicone for bite registration

Code	Packaging
C400741	800 g (475 ml) Base + 800 g (475 ml) Catalyst

Occlufast CAD is a scannable addition silicone for accurate bite registration.

Occlufast CAD is the solution developed for practitioners looking for a product that facilitates digital work-flow access, by improving communication with the dental technician.



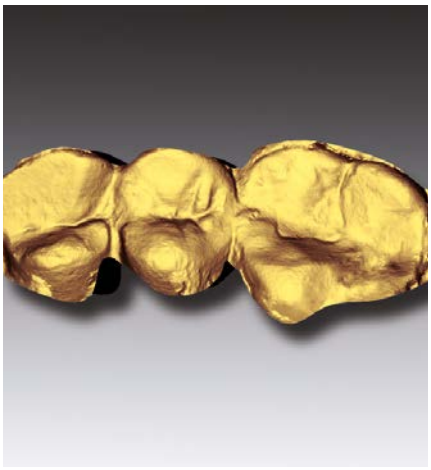
Occlufast CAD

Characteristics

- Scannability*
- Dimensional stability, up to 7 days

Advantages

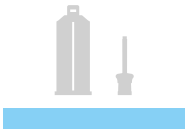
- **Scannability** favours digital work-flow access
- **Dimensional stability** makes it possible to maintain the accuracy of the bite registration for up to 7 days from the time it is taken, even once it has been disinfected using products containing quaternary ammonium salts, mixtures of alcohol and surface tension reducers



Occlufast CAD scan

Mixing ratio Base: Catalyst	Working time** (min:s)	Setting time** (min:s)	Detail reproduction (µm)	Linear dimensional change (after 24 h)	Hardness (Shore A)
1:1	0:30	1:00	20	0.05 %	95

**The times mentioned must be intended at 35 °C - 95 °F.



Occlufast CAD - A-Silicone for bite registration

Code	Packaging
C200800	2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips (medium)

*Occlufast CAD can be scanned using optical scanners (structured light and laser) and CBCT without using opacifier powders.

Elite Master and **Elite Rock** are type 4 stones to make scannable master models without using reflective sprays.

Elite Master is reinforced with resin particles, making the material easy to work and resistant to chipping.
Elite Rock is an extra hard stone with high compressive strength, recommended for making master models for fixed prostheses.
Elite Master is scannable in all colours, Elite Rock only in Silver Grey.

Elite Master

Characteristics

Elite Master:
- Scannable without using reflective sprays
- Formaldehyde free
- Resistant to chipping

Elite Rock:
- Also available in fast version to optimise working time
- Low expansion, even after 48 hours
- Accurate reproduction of details

Elite Master scan

Advantages

- Time savings in data acquisition with optical scanners
- Greater precision compared to use of reflective sprays
- Cleaner environment

Product	Water/powder ratio	Mixing time (manual) (min:s)	Mixing time (vacuum) (min:s)	Working time (min:s)	Setting time (VICAT) (min:s)	Removal time (min:s)	Setting expansion 2 h	Setting expansion 48 h	Compressive strength 1 h	Compressive strength 48 h
Elite Master	21 ml / 100 g	1:00	0:30	12:00	14:00	45:00	0.08 %	0.19 %	50 MPa (510 kg / cm^2)	75 MPa (756 kg / cm^2)
Elite Rock	20 ml / 100 g	1:00	0:30	12:00	14:00	45:00	0.08 %	0.19 %	52 MPa (530 kg / cm^2)	81 MPa (826 kg / cm^2)
Elite Rock Fast	20 ml / 100 g	1:00	0:30	5:00	9:00	25:00	0.08 %	0.19 %	52 MPa (530 kg / cm^2)	81 MPa (826 kg / cm^2)

More details on page 22

Gingifast CAD is a scannable fluid addition silicone, suitable for reproducing gingival morphology on models.

The elastic version with high tear resistance is recommended in the presence of undercuts or very thin thicknesses.
The rigid version is ideal for implant prosthesis applications.

Gingifast CAD Elastic and Rigid

Characteristic

- Two hardness versions: Elastic 40 Shore A, Rigid 70 Shore A
- Rapid working times
- Mixing ratio 1:1

Advantages

- Time savings in data acquisition with CAD/CAM
- Greater precision compared to use of reflective sprays
- Compatible with both direct and indirect techniques
- Reduction of waste, thanks to the smaller tips

Gingifast CAD Elastic scan

Product	Mixing ratio	Working time* (min:s)	Setting time* (min:s)	Hardness (Shore A)
Gingifast Elastic	1:1	2:00	10:00	40
Gingifats Rigid	1:1	2:00	10:00	70

*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Gingifast CAD - A-Silicones for gingival reproduction

Code	Product	Packaging
C203227	Gingifast CAD Elastic	2 x 50 cartridges + 12 mixing tips (extra small) + 10 ml bottle Separator
C203232	Gingifast CAD Rigid	2 x 50 cartridges + 12 mixing tips (extra small) + 10 ml bottle Separator

Model preparation

An accurate model is the basis of every well-made prosthesis. Possible errors during this phase have repercussions on subsequent phases and are extremely difficult to eliminate.

Sensitive to the needs of lab technicians, Zhermack has designed a system of laboratory and impression materials able to work in synergy to obtain accurate models.

Model preparation

Stone models

The choice of material to develop the model contributes to the success of the prosthesis.
The types 3 and 4 stones in the Elite range are formulated, developed and produced in-house by Zhermack which controls the various phases of the production process to offer high quality constant standards.
Available in a wide range of colours and different packs, Zhermack stones can meet the main diverse needs of the laboratory.

They are compatible with the most commonly used impression materials present on the market (including polyethers and hydrocolloids) and are formulated to deliver the best performance when used in combination with Zhermack materials.

MASTER MODEL AND BASES

Elite Master 22
Elite Rock 22
Elite Rock Fast 22
Elite Base 22
Elite Stone 22

ANTAGONIST MODEL

Elite Model 24
Elite Model Fast 24

ARTICULATOR

Elite Arti 26
Elite Arti Fast 26

ORTHODONTIC MODEL

Elite Ortho 27

Dental stones classification

The international regulation 6873:2013 classifies dental stones in different types, based on their linear setting expansion and compressive strength.
Higher type does not always mean higher quality for a stone. Type 5 stones, for example, are characterized by a high compressive strength but have also a high expansion, thus they are suitable for specific applications only.
Type 3 and 4 stones are instead the best for the dental use, because characterized by high compressive strength and low expansion that allow a higher dimensional stability over time and therefore precision in the reproduction of detail.

Type	Linear setting expansion %				Compressive strength MPa	
	2 h		24 h		1 h	
	min.	max.	min.	max.	min.	max.
1	0.00	0.15	-	-	4.0	8.0
2 (Class 1)*	0.00	0.05	-	-	9.0	-
2 (Class 2)**	0.06	0.30	-	-	9.0	-
3	0.00	0.20	-	-	20.0	-
4	0.00	0.15	0.00	0.18	35.0	-
5	0.16	0.30	-	-	35.0	-

*dental plaster for mounting
**dental plaster for models

Zhermack dental stones

TYPE 4

Master model

Fixed prosthesis

Model

Elite Master. Resin reinforced.
High elasticity and splintering resistance for optimal bevelling.

Elite Rock. Extra hard.
Reduced abrasion and higher precision of model.

Base

Elite Base. Optimal fluidity.
Fluidity and perfect casting without vibration.

Removable prosthesis

Elite Stone. Thermal shock resistant.
Improved compressive strength and resistance to thermal shock.

TYPE 3

Antagonist

Elite Model. Superior type 3.
Extreme versatility due to its superior characteristics.

Articulator

Elite Arti. Thixotropic.
Thixotropic to simplify the positioning of the articulator.

Orthodontic

Elite Ortho. Glossy white.
Glossy white after polishing.
Optimal compressive strength.

A stone for every application

For fixed prostheses

Stone for bases | Elite Base
- Optimised to be used in combination with master model → same expansion (type 4)
- Easy to cast → fluid

Stone for master model | Elite Rock or Elite Master
- Accurate reproduction of details → low expansion
- Chamfering without splintering → resin particles
- Hard stone → compressive strength

Stone for antagonist | Elite Model
- Cheaper than master model → type 3
- Hard stone → compressive strength

Stone for articulator | Elite Arti
- Maintain correct occlusion → low expansion
- Simplifying positioning in the articulator → thixotropic
- Perfect fixing with antagonist → adhesion

For removable prostheses

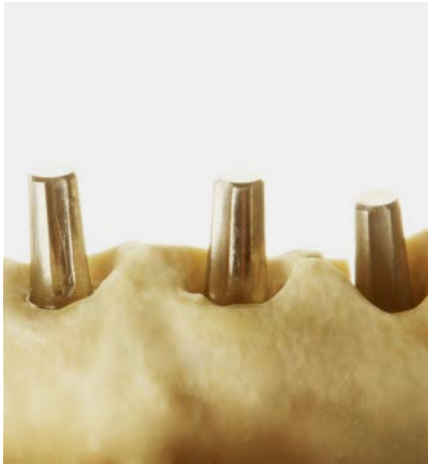
Stone for articulator | Elite Arti
- Maintain correct occlusion → low expansion
- Simplify positioning in the articulator → thixotropic
- Perfect fixing with antagonis → adhesion

Stone for master model | Elite Stone
- To be used at high temperature → resistant to thermal shocks
- To be used with frameworks → wear resistance

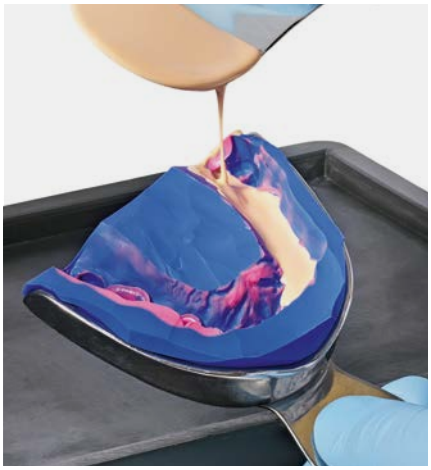
Type 4 stones have high compressive strength and low expansion, ideal for making master models.
Each stone developed by Zhermack has specific technical characteristics for each individual application.

Elite Master is the stone for master models in fixed prosthesis applications with resin particles, for chamfering without splintering.
Elite Rock is an extra hard stone for master models in fixed prosthesis applications.
Elite Base has excellent fluidity for preparation of bases, including without vibrator.
Elite Stone is a stone specifically conceived for master models in removable prostheses, resistant to thermal shock and abrasion from frameworks.

Thanks to its special formula optimised for reading with CAD/CAM systems, models made with Elite Master (in all colours) and Elite Rock (Silver Grey) are scannable without using reflective sprays.



Elite Master



Elite Rock

Characteristics

- Low expansion, even after 48 hours
- Accurate reproduction of detail
- "Fast" version to save time (Elite Rock)

Elite Master:

- Formaldehyde free
- Resistant to chipping

Advantages

- Elite Master: chamfering without splintering, thanks to the high resistance given by the resin particles incorporated in the stone
- Thixotropic to simplify fabrication of the model
- Elite Base: high fluidity, even without vibration

Elite Base

MASTER MODEL	
FIXED PROSTHESIS	REMOVABLE PROSTHESIS
MODEL	
Elite Master **Resin reinforced** Chipping resistance for optimal chamfering **Elite Rock** **Extra hard** Improved compressive strenght and higher precision of model	**Elite Stone** **Thermal shock resistant** Reduced abrasion and resistance to thermal shock
BASE	
Elite Base **Optimal Fluidity** Fluidity and perfect preparation without vibration	

	Elite Master	Elite Rock	Elite Rock Fast	Elite Base	Elite Stone
Scannable	All	Silver Grey	Silver Grey	-	-
Application	Master model (fixed, dies)	Master model (fixed)	Master model (fixed)	Bases for model	Master model (removable)
Color	Desert Sand, Sandy Brown, Soft Grey	Sandy Brown, Cream, White, Silver Grey	Sandy Brown, Cream	Terracotta Red, Royal Blue, Grey	Aqua Green, Pink, Navy Blue, Brown
Type	4	4	4	4	4
Main feature	Resin reinforced	Extra hard	Extra hard	Optimal fluidity	Thermal shock resistant
Water / Powder	21 ml / 100 g	20 ml / 100 g	20 ml / 100 g	23 ml / 100 g	25 ml / 100 g
Mixing time (m)*	1:00	1:00	1:00	1:00	1:00
Mixing time (v)**	0:30	0:30	0:30	0:30	0:30
Working time	12:00	12:00	5:00	5:00	8:00
Setting time***	14:00	14:00	9:00	18:00	14:00
Removal time	45:00	45:00	25:00	45:00	45:00
Expansion after 2 h	0.08 %	0.08 %	0.08 %	0.05 %	0.08 %
Expansion after 48 h	0.19 %	0.19 %	0.19 %	0.10 %	0.09 %
Compressive strength 1 h	50 MPa (510 kg / cm^2)	52 MPa (530 kg / cm^2)	52 MPa (530 kg / cm^2)	40 MPa (408 kg / cm^2)	42 MPa (428 kg / cm^2)
Compressive strength 48 h	75 MPa (765 kg / cm^2)	81 MPa (826 kg / cm^2)	81 MPa (826 kg / cm^2)	83 MPa (846 kg / cm^2)	60 MPa (612 kg / cm^2)

* manual | ** vacuum, 240 rpm | *** Vicat

Elite Model | Elite Model Fast

Type 3 stones for antagonists

Elite Model is a high quality type 3 stone indicated for making antagonists and filling flasks in removable prosthesis applications with heat-curing resins.

Elite Model

Characteristics

- Low expansion
- High mechanical characteristics
- Universal use

Advantages

- Model fabrication facilitated by the high thixotropy
- Extreme versatility due to its superior characteristics compared to other stones of the same type

Elite Model Fast

	Elite Model	Elite Model Fast
Application	Antagonist	Antagonist
Color	Ivory, Steel Blue	Light Cream, Sky Blue, White
Type	3	3
Main feature	Thixotropic	Thixotropic
Water / Powder	30 ml / 100 g	30 ml / 100 g
Mixing time (m)*	1:00	1:00
Mixing time (v)**	0:30	0:30
Working time	7:00	4:00
Setting time***	12:00	8:00
Removal time	45:00	15:00
Expansion after 2 h	0.04 %	0.10 %
Expansion after 48 h	0.07 %	0.10 %
Compressive strength 1 h	31 MPa (316 kg / cm²)	36 MPa (366 kg / cm²)
Compressive strength 48 h	62 MPa (632 kg / cm²)	65 MPa (662 kg / cm²)

* manual | ** vacuum, 240 rpm | *** Vicat

Elite Arti is a type 3 stone with low expansion to keep the occlusion unaltered in the articulator.

Characteristics

- Thixotropic
- Minimal expansion
- Also available in fast version
- White colour

Advantages

- Minimal expansion to keep the occlusion unaltered
- Thixotropic to simplify positioning in the articulator

Elite Arti

	Elite Arti	Elite Arti Fast
Application	Mounting model for articulator	Mounting model for articulator
Color	White	White
Type	3	3
Main feature	Thixotropic	Thixotropic
Water / Powder	30 ml / 100 g	30 ml / 100 g
Mixing time (m)*	1:00	0:45
Working time	3:00	2:00
Setting time**	5:00	3:00
Expansion after 2 h	0.02 %	0.02 %
Expansion after 48 h	0.06 %	0.06 %
Compressive strength 1 h	26 MPa (265 kg / cm^2)	26 MPa (265 kg / cm^2)
Compressive strength 48 h	59 MPa (602 kg / cm^2)	59 MPa (602 kg / cm^2)

* manual | ** Vicat

Elite Arti

Elite Ortho is a specific stone for orthodontic models, glossy white.

Characteristics

- Glossy white
- Thixotropic
- Low expansion

Advantages

- Specific for orthodontic models
- Adapt for study models

Elite Ortho

Elite Ortho

	Elite Ortho
Application	Orthodontic model
Color	White
Type	3
Main feature	Glossy white
Water / Powder	24 ml / 100 g
Mixing time (m)*	0:60
Mixing time (v)**	0:30
Working time	7:00
Setting time***	14:00
Removal time	45:00
Expansion after 2 h	0.04 %
Expansion after 48 h	0.05 %
Compressive strength 1 h	32 MPa (326 kg / cm^2)
Compressive strength 48 h	60 MPa (612 kg / cm^2)

* manual | ** vacuum, 240 rpm | *** Vicat

Elite Dental Stones

Codes

	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Elite Master					
Desert Sand	C410400	-	C410402	C410403	C410404
Sandy Brown	-	-	C410410	C410411	C410412
Soft Grey	-	-	C410406	-	-
Elite Rock					
Sandy Brown	C410033	C410032	C410030	C410200	C410334
Cream	-	-	C410020	C410201	C410332
Silver Grey	-	-	C410010	C410202	C410330
White	-	-	C410000	C410204	C410336
Elite Rock Fast					
Sandy Brown	C410152	C410151	C410150	C410205	-
Cream	-	-	C410160	C410207	-
Elite Base					
Terracotta Red	-	-	C410448	C410446	C410447
Royal Blue	-	-	C410437	C410435	C410436
Grey	-	-	C410440	-	C410439
Elite Stone					
Pink	-	-	C410048	C410214	C410315
Navy Blue	-	-	C410050	-	C410310
Brown	-	-	C410040	C410211	C410312
Aqua Green	-	-	C410043	-	C410313
Elite Model					
Steel Blue	-	C410071	C410070	C410221	-
Ivory	-	C410081	C410080	C410220	C410304
Elite Model Fast					
Sky Blue	-	-	C410065	C410224	C410306
Light Cream	C410069	-	C410067	C410226	C410308
White	-	C410064	C410063	C410228	C410309
Elite Arti					
White	-	-	C410100	C410240	C410350
Elite Arti Fast					
White	C410107	-	C410105	C410241	C410351
Elite Ortho					
White	C410092	C410091	C410090	C410230	C410320

Code C300992

Rubber mixing bowl

Code C300991

Green spatula (x1)

Code XR0250840

Water bottle with graduated measuring cup

Code C400441

Gypstray container 3 l

Model preparation

Masks

Zhermack products for the dental laboratory include a wide range of top quality silicones to simplify work and reduce the possibility of error.

We directly manage all phases of production to guarantee constant reliable quality.

A-SILICONES

Elite Transparent 32

Platinum 75 CAD 36
Platinum 85 TOUCH 36
Platinum 85 36
Platinum 95 36

C-SILICONES

Zetalabor 42
Titanium 42

Elite Transparent is a transparent fluid two-component addition silicone.

Formulated for making transparent silicone masks in the laboratory for composites and light-curing resins.

Elite Transparent

Characteristics

- Highly transparent
- Low viscosity
- High final hardness 72 Shore A

Advantages

- Shorter working times
- Composites or resins act on more compact surfaces without dispersion layer, thanks to the light curing in an oxygen free atmosphere
- Easy and quick to apply
- Possibility to retain the mask for future use

Elite Transparent result

Working time* (min:s)	Setting time* (min:s)	Linear dimensional change (after 24 h)	Hardness (Shore A after 1 h)	Tensile strength	Tear strength
1:30	15:00	0.18 %	72	6.5 N/mm^2	4 N/mm

*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Elite Transparent - A-Silicone for masks

Code	Packaging
C401600	1 x 50 ml cartridge + 6 mixing tips (small)

Elite Transparent - Temporary restorations with Elite Transparent

1. Model

2. Wax-up

3. Application of Elite Transparent

4. Application of a transparent film to smooth the mask.
Once this phase is complete, during silicone curing, the model can be placed under pressure at 2 bars

5. Mask in Elite Transparent

6. Filling the mask with composite (dentine)

7. Mask repositioning and light cure

8. Unfinished temporary restoration

9. Cut back (dentine reduction to make space for the enamel)

10. Filling the mask with composite (enamel)

11. Mask repositioning and light cure

FINAL RESULT
after finishing and polishing

Addition silicones

- Excellent dimensional stability
- Resistant to heat up to 200°C
- Excellent surface definition

Platinum 75 CAD
Platinum 85 TOUCH
Platinum 85
Platinum 95

Indicated for lengthy processes (e.g. work on implants with diagnostic wax-up), processes requiring high definition and detail reproduction (e.g. veneers), use with thermoplastic materials with a high curing temperature, heat-cured resins and self-curing resins.

Condensation silicones

- Lower dimensional stability
- Resistant to heat up to 100°C
- Lower surface quality

Zetalabor (80 Shore A)
Titanium (90 Shore A)

Indicated for short processes and use with heat-curing and self-curing resins.

Examples of application

Removable prosthesis
with self-curing resin

Removable prosthesis
prosthesis repair

Removable prosthesis
complete denture with
hot curing resin

Removable prosthesis
complete denture with
cold-curing resin

Fixed prosthesis
silicone masks for composite
temporary crown

Fixed prosthesis
artificial gum with
indirect technique

Platinum is a high precision addition silicone available in 95, 85, 85 TOUCH or 75 CAD versions. All silicones in the line are characterised by excellent dimensional stability, short working times and ease of use.

Zhermack offers a complete system of putty silicones with different hardnesses, delivering high performance in numerous applications, including dental aesthetics. To satisfy the various needs of daily practice, Platinum 75 CAD silicone is designed for scanning with CAD/CAM systems and is ideal in combination with Platinum 95 for excellent reproduction of details. Recommended to make masks and counter-moulds.

Platinum 85

Characteristics

- Availability in a wide range of hardnesses
- Accurate reproduction of details
- Resistant to heat up to 200° C
- Mixing ratio 1:1

Platinum 85 TOUCH

Advantages

- Can be used for long processes (for example, implants with diagnostic wax-up) without altering the dimensional references
- Can be used with thermoplastic materials, thanks to heat resistance of up to 200° C
- Easy to work, including with a bur

Platinum 95

Product	Counter-mould for removable prosthesis in thermoplastic materials	Counter-mould for removable prosthesis in heat-curing resins	Masks for prosthesis in self-curing resins	Use with verticulator	Masks for gingival reproduction in indirect technique	Masks for composite and polyglass composite provisional	Removable prosthesis repair	Occlusal key on articulator
Platinum 75 CAD*					○	○		●
Platinum 85 TOUCH		○	○		○	●	○	
Platinum 85	●	●	●	●	●	○	○	○
Platinum 95	○	○		●		○	○	●

● highly recommended ○ recommended

*scannable without using reflective sprays

Product	Mixing time (min:s)	Working time* (min:s)	Setting time* (min:s)	Detail reproduction (µm)	Elastic recovery	Strain in compression	Linear dimensional change (after 24 h)	Hardness (Shore A after 24 h)	Heat resistance
Platinum 75 CAD	0:30	1:00	7:00	20	> 99.5 %	< 1 %	0.05 %	75	200 °C
Platinum 85 TOUCH	0:30	1:00	7:00	20	> 99.5 %	< 1%	0.05 %	85	200 °C
Platinum 85	0:30	2:00	8:00	20	> 99.5 %	< 1 %	0.05 %	85	200 °C
Platinum 95	0:30	2:00	8:00	20	> 99.5 %	< 1 %	0.05 %	95	200 °C

*The times mentioned above are intended from the start of the mixing phase at 23°C (73°F).

Platinum - Injectable technique with Platinum 85 TOUCH for temporary restorations

1. Master model

2. CrCo structure for reinforced temporary restoration

3. Waxed up structure

4. Construction of mask in Platinum 85 TOUCH

5. Mask removal

6. Once you have removed the wax, clean, rub and reposition the reinforcements on the model

7. Mask repositioning and Acrytemp injection

8. End of Acrytemp injection

9. Unfinished temporary restoration (following mask removal)

FINAL RESULT
after finishing and polishing

Platinum - Indirect temporary restorations by using Platinum 85 TOUCH

1. Model

2. Mask in Platinum 85 TOUCH

3. Prepared model

4. Filling the mask with Acrytemp

5. Repositioning the mask onto the model and Acrytemp oozing out of the vent channels

6. Mask removal

FINAL RESULT
after finishing and polishing

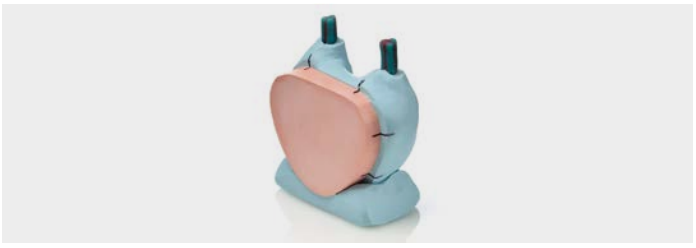
Platinum - Removable complete denture with cold-curing resin for pouring technique

1. Waxed-up prosthesis

2. Addition of pouring channels and creation of orientation points on the model

3. Primary mask in Platinum 85 TOUCH, with total coverage of the wax-up (allows superior detail reproduction of the wax-up)

4. Secondary containment mask, in Platinum 95



5. Base construction in Platinum 95 to keep the structure in a vertical position, marking of orientation points to check the correct repositioning of the silicone

6. Mask removal

7. Wax removal from model and teeth

8. Repositioning the teeth in the silicone mask

9. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

10. Mix and wait until you have a honey-like texture as shown

11. Reposition the mask and secure it in the correct position with an elastic band

12. Pour the resin into one of the two pouring channels

13. The pouring is complete when the resin oozes out of the opposite channel

▶ Add a central pouring channel if the palate thickness is extremely thin. In this case, pour the resin in from the central channel

14. Result of the mask removal

15. Polishing and finishing

FINISHED PROSTHESIS

Platinum 75 CAD - Scannable A-Silicone

Code	Packaging
C400741	1 tub 800 g Base + 1 tub 800 g Catalyst

Platinum 85 TOUCH - High precision A-Silicone

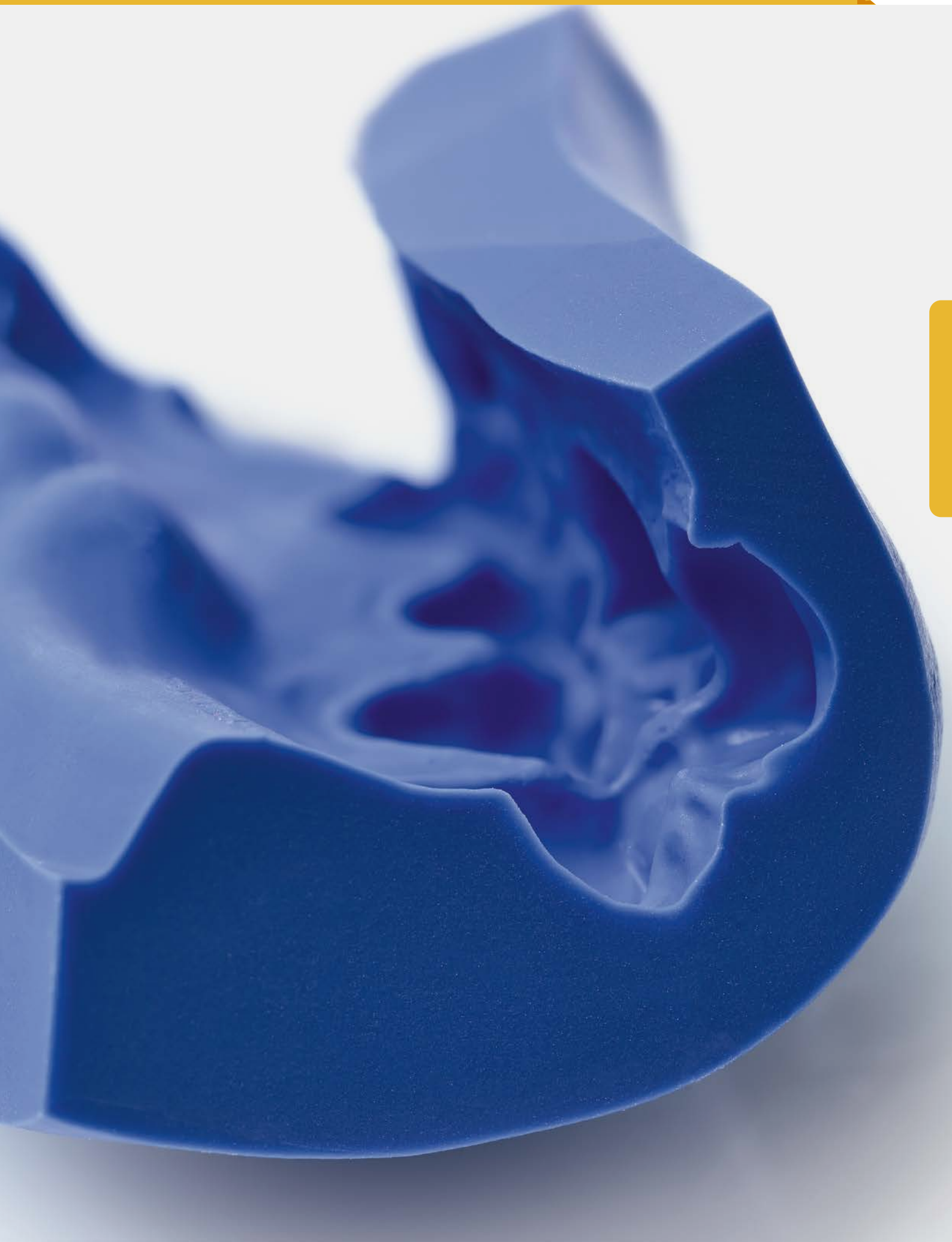
Code	Packaging
C400750	1 tub 4.3 kg Base + 1 tub 4.3 kg Catalyst
C400751	1 tub 200 g Base + 1 tub 200 g Catalyst

Platinum 85 - High precision A-Silicone

Code	Packaging
C400727	1 tub 450 g Base + 1 tub 450 g Catalyst
C400725	1 tub 1 kg Base + 1 tub 1 kg Catalyst
C400723	1 tub 5 kg Base + 1 tub 5 kg Catalyst

Platinum 95 - High precision A-Silicone

Code	Packaging
C400720	1 tub 450 g Base + 1 tub 450 g Catalyst
C400700	1 tub 1 kg Base + 1 tub 1 kg Catalyst
C400710	1 tub 5 kg Base + 1 tub 5 kg Catalyst



Designed for the dental laboratory, **Zetalabor** and **Titanium** condensation silicones are characterised by high hardness and good mechanical properties.

They can be used in various applications requiring short times and not excessively high working temperatures. Zetalabor and Titanium are recommended for counter-moulds in removable prosthesis applications, masks for creating artificial gums using the indirect technique, moulds for preparation self-curing resins and numerous other applications. For more than 35 years, their ease of use has helped speed up laboratory procedures and improve the everyday performance of lab technicians.

Indurent LAB is the gel catalyst completing the range. Its characteristic red colour makes it easy to recognise when the mixture is homogeneous.

Zetalabor

Characteristics

- Resistant to heat up to 100° C
- Good precision
- Silicones to mix with the gel catalyst only

Zetalabor

Advantages

- Time saving
- Excellent quality/price ratio
- For use with hot and cold resin techniques

Zetalabor

Product	Counter-mould for removable prosthesis in heat-curing resins	Masks for prosthesis in self-curing resins	Masks for gingival reproduction in indirect technique	Masks for composite and polyglass composite provisional	Removable prosthesis repair	Occlusal key for mounting on articulator
Zetalabor	●	●	●	○	●	
Titanium	●	○			○	○

● highly recommended ○ recommended

Product	Mixing time (min:s)	Working time* (min:s)	Setting time* (min:s)	Detail reproduction (µm)	Elastic recovery	Strain in compression	Linear dimensional change (after 24 h)	Hardness (Shore A after 1 h)
Zetalabor	0:30	2:00	6:00	20	98 %	< 2 %	0,25 %	80
Titanium	0:30	1:30	6:00	50	99 %	< 1 %	0,25 %	90

*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Zetalabor - Mixing technique

1. Take one or more measures of Zetalabor (note: the measuring spoon must be filled flush with the surface)

2. Spread Zetalabor on the palm of your hand and impress the rim of the measuring spoon onto the material as many times as the measures used

3. For each measure, spread two strips of Zhermack Indurent LAB catalyst the same length as the measure, i.e. about 4 cm

4. Fold the material onto itself

Mix together using your fingertips (to avoid heating the material), forming small S shapes

6. Mix until the material is even in colour, without stripes

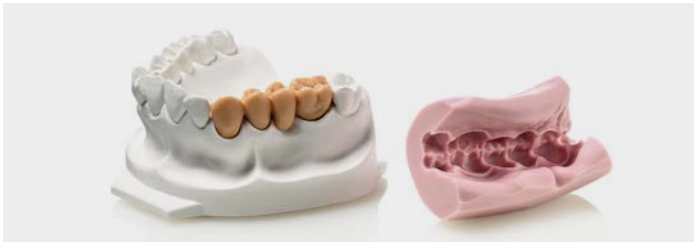
Zetalabor - Injectable technique for temporary restorations

1. Master model

2. CrCo structure for reinforced temporary restoration

3. Waxed up structure

4. Construction of Zetalabor mask



5. Mask removal

6. Once you have removed the wax, clean, rub and reposition the reinforcements on the model

7. Mask repositioning and Acrytemp injection

8. End of Acrytemp injection

9. Unfinished temporary restoration (following mask removal)

FINAL RESULT
after finishing and polishing

Zetalabor - Indirect temporary restorations

1. Model

2. Zetalabor mask

3. Prepared model

4. Filling the mask with Acrytemp

5. Repositioning the mask onto the model and Acrytemp oozing out of the casting channels

6. Mask removal

FINAL RESULT
after finishing and polishing

Zetalabor - Framework prosthesis with cold-curing resin for pouring technique

1. Model with framework prosthesis

2. Framework prosthesis on model and saddle with wax-up

3. Creation of the mask

4. Finishing the mask

5. Removal of wax and repositioning of teeth on the mask

6. Repositioning the mask onto the model with framework prosthesis

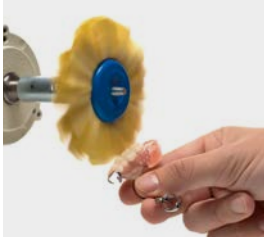
7. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

8. Mix and wait until you have a honey-like texture as shown

9. Pour the resin

10. Result after resin polymerization

11. Mask removal



12. Polishing and finishing

FINAL RESULT

Zetalabor - Removable complete denture with cold-curing resin for pouring technique

1. Master model with wax-up

2. Addition of pouring channels and creation of orientation points on the model

3. Primary mask in Zetalabor, with total coverage of the wax-up (allows superior detail reproduction of the wax-up)

4. Secondary containment mask, in Titanium

5. Base construction in Titanium to keep the structure in a vertical position, marking of orientation points to check the correct repositioning of the silicone

6. Mask removal

7. Wax removal from model and teeth

8. Repositioning the teeth in the silicone mask

9. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

10. Mix and wait until you have a honey-like texture as shown

11. Reposition the mask and secure it in the correct position with an elastic band

12. Pour the resin into one of the two pouring channels

13. The pouring is complete when the resin oozes out of the opposite channel

14. Result of the mask removal

15. Polishing and finishing

FINISHED PROSTHESIS

- This technique can also be used with Zetalabor only
- Add a central pouring channel if the palate thickness is extremely thin. In this case, pour the resin in from the central channel

Zetalabor - Prosthesis reparation with self-curing resin

1. Prosthesis for repair

2. Fixing the two parts of the prosthesis using sticky wax

3. Measuring and mixing Zetalabor (4 measures)

4. Creating the model in Zetalabor

5. Remove the prosthesis from the silicone base and prepare the broken prosthesis

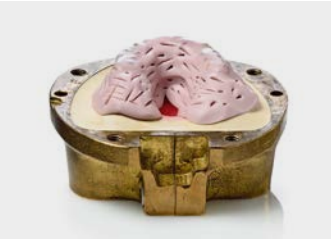
6. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

PROSTHESIS REPAIR

Zetalabor - Removable complete denture with heat-curing resin

1. Master model with wax-up

2. Filling the flask with the wax-up



3. Covering the teeth with Zetalabor, leaving the cusps and incisal margins free and creating mechanical retentions

4. Detail of the areas to leave free on the cusps and incisal margins

Zetalabor - C-Silicone rigid

Code	Packaging
C400791	1 tub 900 g
C400790	1 tub 2.6 kg
C400811	1 tub 5 kg
C400804	1 tub 10 kg
C400812	1 tub 25 kg
C400798	1 tub 5 kg + 2 Indurent LAB 60 ml

Titanium - Lab putty C-Silicone extra-rigid

Code	Packaging
C400605	1 tub da 2.6 kg
C400611	1 tub 5 kg
C400818	1 tub 5 kg + 2 Indurent LAB 60 ml

Indurent LAB - Gel catalyst for Zetalabor and Titanium

Code	Packaging
C100900	1 tube 60 ml

Model preparation

Duplication

Interpreting the needs of lab technicians, Zhermack R&D laboratories have developed Elite Double, a wide range of duplication silicones characterised by accurate reproduction of details and excellent dimensional stability.
The high elasticity and high resistance to tearing make removal of the model from the silicone easy and safe.

For excellent results even in the most complex situations.

A-SILICONES

Elite Double 8 52
Elite Double 16 Fast 52
Elite Double 22 52
Elite Double 22 Fast 52
Elite Double 22 Extra Fast .. 52
Elite Double 32 52
Elite Double 32 Fast 52

The **Elite Double** line includes a wide range of duplication silicones. Designed to meet the lab technician's different needs in both fixed and removable prosthesis applications. The range consists of 7 products.

Elite Double has different colours, four different final hardnesses and three setting times: normal, fast and extra fast, the latter formulated specifically for automatic mixers. Elite Double retains high and constant fluidity throughout the working time, delivering a homogeneous bubble-free result.

Elite Double 8

Characteristics

- Resistance to stretching and tearing, including with thin thicknesses
- Accurate reproduction of detail
- High fluidity
- High dimensional stability over time
- High elastic recovery

Elite Double 22 Fast

Advantages

- Optimisation of working times, particularly when compared with duplication with hydrocolloids (setting time 5:00, 10:00, 20:00)
- The model can be duplicated a number of times, thanks to the dimensional stability over time and high elastic recovery
- Compatible with stones, polyurethane resins, acrylic resins and phosphate and alcohol-based investments
- High fluidity: does not require mixing in a vacuum

Elite Double 16 Fast

Product	Duplication of cores, integral ceramic coating	Duplication of models, generally in gypsum and/or resin	Duplication of models, controlled expansion coating	Duplication of models, free expansion coating
Elite Double 8	•			
Elite Double 16 Fast	•	•	•	
Elite Double 22		•	•	
Elite Double 22 Fast		•	•	
Elite Double 22 Extra Fast		•	•	
Elite Double 32		•		•
Elite Double 32 Fast		•		•

Product	Mixing ratio	Manual mixing time* (min:s)	Mechanical mixing time with vacuum mixer* (min:s)	Working time* (min:s)	Setting time* (min:s)	Detail reproduction (µm)	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)	Load at break	Elongation at break	Tear resistance
Elite Double 8	1:1	1:00	0:30	10:00	20:00	2	99.95 %	0.05 %	8	2 N/mm²	380 %	2.5 N/mm²
Elite Double 16 Fast	1:1	1:00	0:30	5:00	10:00	2	99.95 %	0.05 %	16	2.5 N/mm²	550 %	5 N/mm²
Elite Double 22	1:1	1:00	0:30	10:00	20:00	2	99.95 %	0.05 %	22	2.5 N/mm²	450 %	5 N/mm²
Elite Double 22 Fast	1:1	1:00	0:30	5:00	10:00	2	99.95 %	0.05 %	22	2.5 N/mm²	450 %	5 N/mm²
Elite Double 22 Extra Fast	1:1	Automatic mixer	Automatic mixer	1:30	5:00	2	99.95 %	0.05 %	22	2.5 N/mm²	450 %	5 N/mm²
Elite Double 32	1:1	1:00	0:30	10:00	20:00	2	99.95 %	0.05 %	32	2.5 N/mm²	350 %	5 N/mm²
Elite Double 32 Fast	1:1	1:00	0:30	5:00	10:00	2	99.95 %	0.05 %	32	2.5 N/mm²	350 %	5 N/mm²

*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Elite Double - Removable complete denture with cold-curing resin for pouring technique

1. Waxed-up prosthesis

2. Fixing the model to the base of the flask, using sticky wax

3. Application of pouring channels

4. Closing the flask

5. Pour Elite Double 16 into the flask

6. Opening the flask

7. Wax removal from model and teeth

8. Repositioning the teeth

9. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

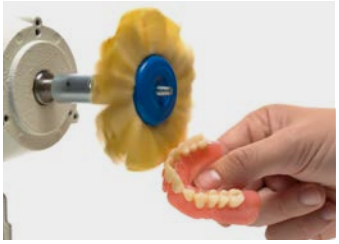
10. Mix and wait until you have a honey-like texture as shown

11. Close the flask again and secure it in the correct position with an elastic band

12. Pour the resin into the central pouring channel

13. The pouring is complete when the resin oozes out of the side channels

14. Result upon opening the flask



15. Polishing and finishing

FINISHED PROSTHESIS

Elite Double - Removable complete denture with cold-curing resin for pouring technique

1. Waxed-up prosthesis

2. Application of pouring channels and creation of orientation points on the model

3. Cover the palate with Platinum 95

4. Model boxing using sticky wax

5. Pour Elite Double 16

6. Secondary containment mask in Platinum 95

7. Base construction in Platinum 95 to keep the structure in a vertical position, marking of orientation points to check the correct repositioning of the silicone

8 Mask removal

9. Wax removal from model and teeth

10. Repositioning the teeth in the silicone mask

11. Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin

12. Mix and wait until you have a honey-like texture as shown

13. Reposition the mask and secure it in the correct position with an elastic band

14. Pour the resin into one of the two pouring channels

15. The pouring is complete when the resin oozes out of the opposite channel

▶ Add a central pouring channel if the palate thickness is extremely thin. In this case, pour the resin in from the central channel

16. Result of the mask removal

17. Polishing and finishing

FINISHED PROSTHESIS

Elite Double - Model duplication

1. Master model

2. Fixing the model to the base of the flask, using sticky wax

3. Closing the flask

4. Pour Elite Double 22 into the flask

5. Opening the flask

6. Pour the investment into the silicone

DUPLICATE MODEL

Elite Double 8 - A-Silicone for model duplication

Code	Packaging
C400820	250 g (Base) + 250 g (Catalyst)
C400830	1 kg (Base) + 1 kg (Catalyst)

Elite Double 16 Fast - A-Silicone for model duplication

Code	Packaging
C400825	250 g (Base) + 250 g (Catalyst)
C400831	1 kg (Base) + 1 kg (Catalyst)
C400847	5 kg (Base) + 5 kg (Catalyst)

Elite Double 22 - A-Silicone for model duplication

Code	Packaging
C400821	250 g (Base) + 250 g (Catalyst)
C400832	1 kg (Base) + 1 kg (Catalyst)
C400840	5 kg (Base) + 5 kg (Catalyst)

Elite Double 22 Fast - A-Silicone for model duplication

Code	Packaging
C400823	250 g (Base) + 250 g (Catalyst)
C400834	1 kg (Base) + 1 kg (Catalyst)
C400842	5 kg (Base) + 5 kg (Catalyst)

Elite Double 22 Extra Fast - A-Silicone for model duplication

Code	Packaging
C400849	5 kg (Base) + 5 kg (Catalyst)

Elite Double 32 - A-Silicone for model duplication

Code	Packaging
C400833	1 kg (Base) + 1 kg (Catalyst)
C400841	5 kg (Base) + 5 kg (Catalyst)

Elite Double 32 Fast - A-Silicone for model duplication

Code	Packaging
C400836	1 kg (Base) + 1 kg (Catalyst)
C400843	5 kg (Base) + 5 kg (Catalyst)

ACCESSORIES

Code C207200

Spatula for silicones

Model preparation

Gingival reproduction

To reproduce artificial gengiva on a model, Zhermack offers top quality, precise polyvinylsiloxane products with long stability to facilitate work in the laboratory.

They retain their characteristics unaltered throughout all phases of the process, giving the lab technician more peace of mind.

A-SILICONES

Gingifast Elastic 62
Gingifast Rigid 62
Gingifast CAD Elastic 62
Gingifast CAD Rigid 62

Gingifast addition silicones are conceived to reproduce gingival morphology on models in fixed prosthesis and implant applications.
Zhermack proposes the most suitable gum mask for all types of application.

Gingifast Elastic guarantees excellent aesthetic results, thanks to its translucence and the presence of fibrils to give a natural effect. Particularly suitable in the presence of undercuts and thin thicknesses.
Gingifast Rigid is indicated for the direct technique. Thanks to its balanced hardness, it can be worked easily with burs and is the top product in the field of implant prosthetics.
Gingifast CAD, a scannable fluid silicone available in two versions, Rigid and Elastic, completes the range. Scannable and readable without requiring reflective sprays, it is conceived for maximum performance in acquiring 3D data, saving time, simplifying processes and improving quality.

Gingifast Rigid - direct technique

Characteristics

- Various hardnesses: Elastic 40 Shore A, Rigid 70 Shore A
- Setting time: 10:00
- Mixing ratio 1:1

Gingifast Rigid

Advantages

- Compatible with the various techniques used to make artificial gums (direct and indirect)
- Excellent aesthetic results
- With the Gingifast CAD formula, very small mixing tips can be used reducing silicone waste

Gingifast Elastic - indirect technique

Product	Recommended in the presence of undercuts	Recommended in the presence of implants
Gingifast Elastic	●	○
Gingifast Rigid	○	●
Gingifast CAD Elastic	●	●
Gingifast CAD Rigid	○	●

● highly recommended ○ recommended

Product	Mixing ratio (Base:Catalyst)	Working time* (min:s)	Setting time* (min:s)	Hardness (Shore A)	Scannable without sprays	Workable with a bur
Gingifast Elastic	1:1	2:00	10:00	40		
Gingifast Rigid	1:1	2:00	10:00	70		●
Gingifast CAD Elastic	1:1	2:00	10:00	40	●	●
Gingifast CAD Rigid	1:1	2:00	10:00	70	●	●

*The times mentioned above are intended from the start of the mixing phase at 23 °C (73 °F).

Gingifast Rigid - Simultaneous technique

1. Analogue impression

2. Wax barriers

3. Application of the separator

4. Application of Gingifast Rigid

5. Creation of orientation points and impression boxing

6. Gypsum casting

FINAL RESULT

Gingifast Elastic - Indirect technique

1. Master model

2. Zetalabor mask

3. Mask removal

4. Diestone

5. Creation of holes for silicone injection and application of the separator to the mask

6. Mask repositioning onto the master model

7. Injection of Gingifast Elastic inside the mask

8. Gingifast Elastic injection complete (material oozes out of the venting channels)

9. Mask removal (venting channels present on the gum) and subsequent finishing of the gum, eliminating the venting channels

FINAL RESULT

Gingifast Elastic - A-Silicone for gingival reproduction

Code	Packaging
C401500	2 x 50 ml cartridges + 1 x 10 ml Gingifast Separator bottle + 12 mixing tips (small) + 12 yellow intraoral tips + 1 trigger spray nozzle

Gingifast Rigid - A-Silicone for gingival reproduction

Code	Packaging
C401520	2 x 50 ml cartridges + 1 x 10 ml Gingifast Separator bottle + 12 mixing tips (small) + 12 yellow intraoral tips + 1 trigger spray nozzle

Gingifast CAD Elastic - Scannable A-Silicone for gingival reproduction

Code	Packaging
C203227	2 x 50 ml cartridges + 1 x 10 ml Gingifast Separator bottle + 12 mixing tips (extra small)

Gingifast CAD Rigid - Scannable A-Silicone for gingival reproduction

Code	Packaging
C203232	2 x 50 ml cartridges + 1 x 10 ml Gingifast Separator bottle + 12 mixing tips (extra small)

Code C400888

2 x 10 ml Gingifast Separator

Code C202085

Mixing tips - small (48 pcs)

Code C202090

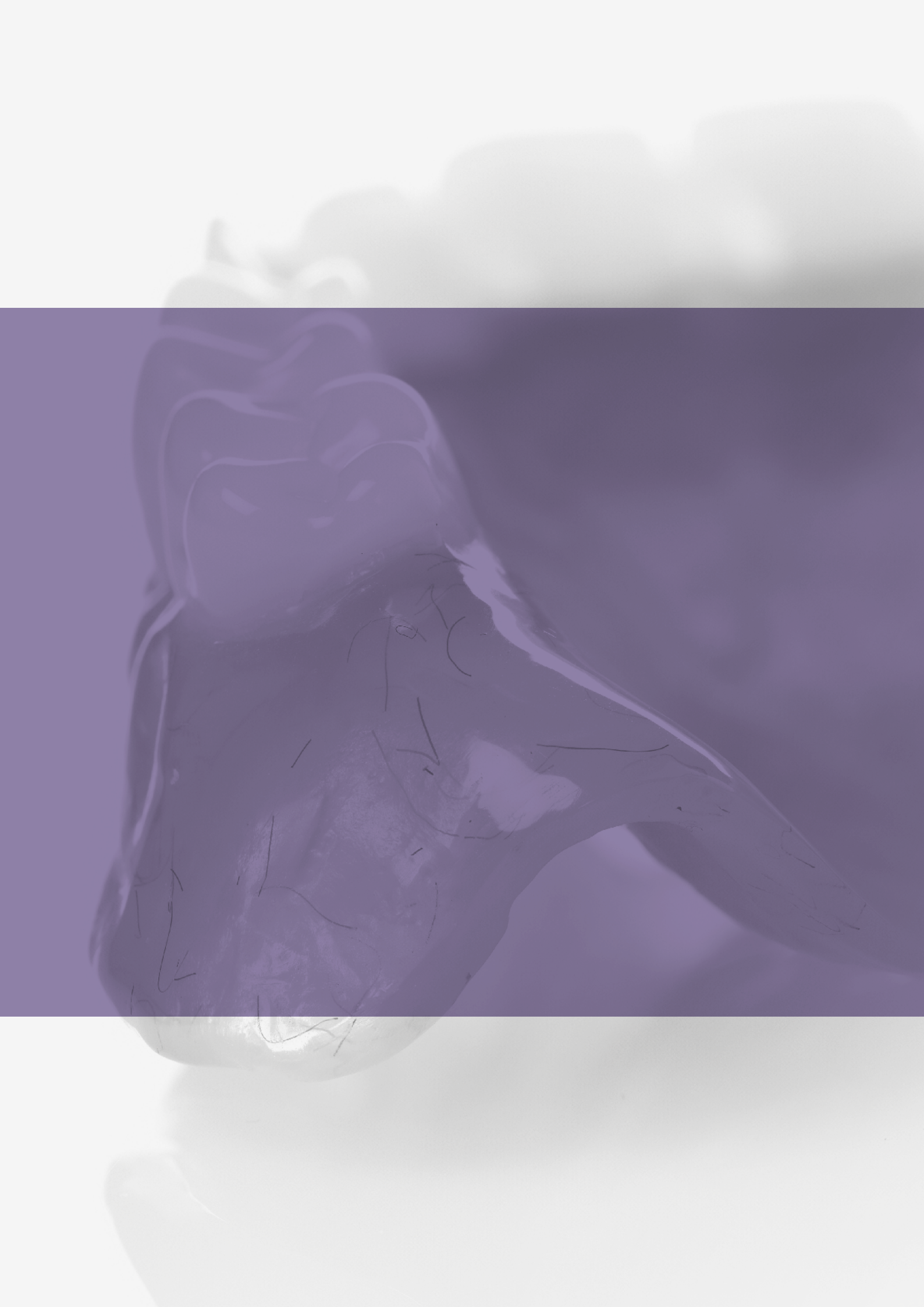
Yellow intraoral tips (48 pcs)

Code C202100

Dispenser D2 – 1:1

Code C202087

Mixing tips - extra small (48 pcs)



Prosthesis preparation

Constant research, continuous improvement and years of experience in prosthodontics have enabled Zhermack to develop a system of high quality laboratory solutions that work in synergy to create accurate and aesthetic prostheses.

Zhermack's resins and investments simplify the work of the lab technician and allow high performance prostheses to be made easily, quickly and cheaply.

Prosthesis preparation

Custom trays

For custom trays and bases for mounting teeth, Zhermack offers different resins adaptable to the main dental laboratory needs.

Easy and quick to use, Elite LC Tray is the line of light-curing resin plates to optimise working times without compromising on quality.

LIGHT-CURING RESINS

Elite LC Tray 72
Elite LC Tray ROUND 72

Elite LC Tray is a line of light-curing resin plates for custom impression trays. Also indicated for making bases for mounting teeth and bite plates in removable prosthesis modeling.

Elite LC Tray can be used to make bases and custom trays of various sizes to meet the main requirements in this application.
Elite LC Tray ROUND is particularly indicated for laboratories wanting medium-sized ergonomic plates.

Elite LC Tray

Characteristics

- Cured with either halogen or UV light (3 - 5 minutes)
- Stable to daylight or artificial light for about 20:00
- Available in three colours: blue, white and pink
- Minimum shrinkage after curring

Elite LC Tray ROUND

Advantages

- Easy to model, not sticky
- Quick, saves time with respect to traditional self-curing resins
- Uniform thickness

Product	Setting time (min:s)	Thickness	Hardness (Shore D)	Curing
Elite LC Tray	3:00 - 5:00	2.5 mm	80	UV light (350 - 400 nm) Halogen light (420 - 480 nm)
Elite LC Tray ROUND	3:00 - 5:00	2.5 mm	80	UV light (350 - 400 nm) Halogen light (420 - 480 nm)

Elite LC Tray - Light curing resin for custom impression trays

Codes	Packaging
D500100	Elite LC Tray White (50 pcs)
D500101	Elite LC Tray Pink (50 pcs)
D500102	Elite LC Tray Blue (50 pcs)

Elite LC Tray ROUND - Light curing resin for custom impression trays

Codes	Packaging
D500052	Elite LC Tray ROUND Pink (50 pcs)

Prosthesis preparation

Temporary restorations

Acrytemp is Zhermack's self-curing bis-acryl resin for short- and long-term temporary restorations.
It comes in self-mixing cartridges, for proper and rapid application.

Its failure resistance and natural fluorescence help to achieve a reliable and aesthetic result, to satisfy the practitioner and the patient alike.

BISACRYLIC SELF-CURING RESIN
Acrytemp **76**

Acrytemp is a self-curing bis-acryl resin for short- and-longterm temporary restorations with a high failure resistance.

The flexural and compressive strength of **Acrytemp** allow the temporary restoration to resist masticatory loads, which helps reduce the risk of breakage and therefore the failure of the restoration. It also offers limited curing shrinkage and a limited exothermic reaction during the setting phase.

Acrytemp is methyl methacrylate-free and it possesses good chromatic stability and natural fluorescence.

Acrytemp

Characteristics*

- High failure resistance
- Limited cure shrinkage
- Limited exothermic reaction during curing
- Absence of methyl methacrylate
- Natural fluorescence
- Good chromatic stability
- Available in 5 different shades

Acrytemp

Advantages

- Low failure risk
- Volumetric stability
- Safe for the tissues
- Natural, long-lasting cosmetic result
- Applicational versatility

***Technical data table.**

Acrytemp

Product	Working time (min:s)	Setting time in the mouth (min:s)	Compressive strength	Flexural strength	Volumetric shrinkage	Max. temperature during curing
Acrytemp	0:50	1-2 minutes	250 MPa	65 MPa	5%	37°C

Acrytemp - Bisacrylic self-curing resin

Code	Colour	Packaging
C700201	A1	Standard Pack: 1 cartridge 50 ml (76 g)* + 15 mixing tips 4:1
C700200	A2	Standard Pack: 1 cartridge 50 ml (76 g)* + 15 mixing tips 4:1
C700215	A3	Standard Pack: 1 cartridge 50 ml (76 g)* + 15 mixing tips 4:1
C700205	A3.5	Standard Pack: 1 cartridge 50 ml (76 g)* + 15 mixing tips 4:1
C700211	B1	Standard Pack: 1 cartridge 50 ml (76 g)* + 15 mixing tips 4:1

* The 4:1 Acrytemp cartridge is compatible with the most common 4:1 and 10:1 dispensers.

ACCESSORIES

Code C700230	Code C700240
D2 - 4:1 dispenser	4:1 Mixing tips (50 pcs)

Prosthesis preparation

Investments

The Elite Vest line of investments is conceived to simplify the use of the investment in the laboratory and reduce stocks.

All the most common fixed and removable prosthesis applications can be covered with just two powders (one for fixed prostheses and one for frameworks) and a universal liquid.

PHOSPHATE INVESTMENTS

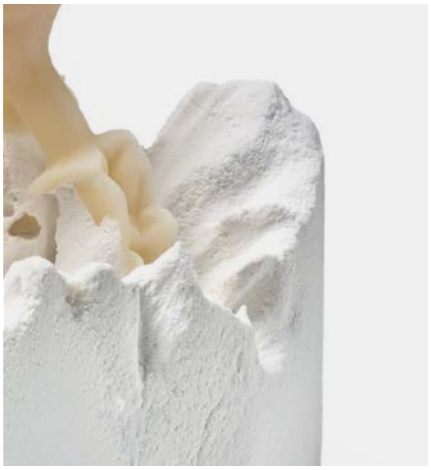
Elite Vest Plus 80
Elite Vest Cast 80
Elite Vest Liquid 80

Elite Vest

Phosphate investments

Just two types of powder and one universal liquid allow casts to be made with all alloys* and pressable ceramics.

Elite Vest Plus is the universal precision investment for fixed prostheses, compatible with non precious alloys*, precious alloys and pressable ceramics.
Elite Vest Cast is a precision investment specific for frameworks, compatible with base alloys* and precious alloys.
Elite Vest Liquid is the universal mixing liquid for both investments.



Elite Vest Plus

Characteristics

- Quick or traditional preheating
- Fine powder, carbon-free formulas with expansion adaptable to the working technique
- Excellent precision, particularly in implants and large bridges

Elite Vest Plus - cast metal coping

Advantages

- Easy to use and manage: just two products for all types of work
- Flexibility: expansion can be adapted to the different needs
- Work speed: smooth alloy surface after preparation

Elite Vest Plus

* excluding titanium alloys

Product	Fixed prosthesis (crowns, inlays, onlays)	Fixed prosthesis (crowns and bridges, partial crowns, inlays, onlays, telescopic crowns)				Frameworks (combined extended removable partial prosthesis in a single piece, combined extended removable partial prosthesis with clasps, normal removable partial prosthesis)
	Pressable ceramics	Au alloys with a high gold content	Au alloys with a low gold content	Palladium alloys	Base alloys	
Elite Vest Plus	•	•	•	•	•	
Elite Vest Cast						•
Elite Vest Liquid	•	•	•	•	•	•

Technical features	Elite Vest Plus	Elite Vest Cast
Powder/liquid ratio (Elite Vest Liquid)	100 g / 24 - 26 ml	100 g / 18 - 20 ml
Manual mixing time (min:s)	00:15 - 00:30	00:15 - 00:20
Vacuum mixing time (320 rpm) (min:s)	00:60	00:60
Vacuum maintenance time after mixing (min:s)	00:15 - 00:30	00:10 - 00:15
Working time* (min:s)	6:00	5:00
Time in preheat oven (from start of mixing) (min:s)	23:00 - 25:00	23:00 - 25:00
Ideal liquid storage temperature	18 - 22 °C (> 5 °C)	18 - 22 °C (> 5 °C)
Preheat temperature	850 - 900 °C	900 - 930 °C
Maximum preheat temperature	1200 °C	1050 °C

*Times indicated may vary according to room temperature.

Elite Vest Plus

Code	Packaging
C420000	40 x 160 g bag

Elite Vest Cast

Code	Packaging
C420002	30 x 400 g bag

Elite Vest Liquid

Code	Packaging
C420010	Bottle 1 L

Code XR0000150

Ring 1 x

Code XR0000152

Ring 3 x

Code XR0000154

Ring 6 x

Code XR0000156

Ring 9 x

Hygiene

Cleaning and disinfecting impressions coming from the dental surgery are a safeguard against infections. Choosing effective products with a broad spectrum of action is therefore essential to protect the health of laboratory technicians.

Quick acting easy-to-use products, free from toxic substances such as phenols and aldehydes. Like the products in the Zeta Hygiene range, developed from Zhermack's experience in the cold disinfection and sterilisation of medical-surgical devices. Comprehensive solutions, regulated by strict production standards and controlled and tested according to the most recent European regulations for an adequate protection every time.

Zhermack

Hygiene

Hygiene lab applications

Solutions for impressions cleaning and disinfection and for the cleaning of alginate and gypsum residues on instruments.

IMPRESSIONS DISINFECTANTS

Zeta 7 Spray 88

Zeta 7 Solution 88

CLEANERS FOR THE REMOVAL OF TRAYS AND INSTRUMENTS ALGINATE AND GYPSUM RESIDUES

Algitray 89

Gypstray 89

Zhermack offers high performance products for impression disinfection: broad spectrum of action, according to the latest European Norms validated on disinfection, and high compatibility with different types of impression material.

Zeta 7 Spray is a ready to use disinfectant for a quick and easy disinfection of impressions.
Zeta 7 Solution is a broad spectrum concentrated disinfectant.

Zeta 7 Spray

Characteristics

- Broad spectrum of action developed and tested according to the latest European Norms on disinfection
- Compatibility with materials for the impression taking (addition and condensation silicones, alginate, polyether, polysulphide and polyvinyl)

Advantages

- **Efficacy:** broad protection for professionals in dental practices and laboratories
- **High performance:** respects the dimensional stability of impressions characteristics and their compatibility with gypsum and improves accuracy in the reproduction of gypsum models

Zeta 7 Solution

Product	Type of product	Active ingredients	Dilution	Action time	Distinctive characteristics	Spectrum of action
Zeta 7 Spray	Disinfectant	Alcohols	Ready to use	3:00	Improve smoothness of gypsum on impressions surfaces and reduce the formation of bubbles	**Bactericidal:** EN 13727 (S. aureus, P. aeruginosa, E. hirae) **Yeasticidal:** EN 13624 (C. albicans) **Tuberculocidal:** EN 14348, EN 14563 (M. terrae) **Virucidal:** EN 14476 (Poliovirus, Adenovirus, Parvovirus, Norovirus including HIV, HBV, HCV) Tests carried out in dirty conditions.
Zeta 7 Solution	Disinfectant	Quaternary Ammonium Salts, Phenoxyethanol	1 %	10:00	Concentrated, allows for the preparation of up to 100 litres of disinfectant solution	**Bactericidal:** EN 13727 (S. aureus, P. aeruginosa, E. hirae) **Yeasticidal:** EN 13624 (C. albicans) **Bactericidal, Yeasticidal:** VAH (30') **Tuberculocidal:** EN 14348 (M. terrae) **Virucidal against enveloped viruses:** EN 14476 (Vaccinia Virus including HIV, HBV, HCV) Tests carried out in dirty conditions.

Code	Product	Packaging
C810050	Zeta 7 Spray	750 ml bottle with foam cap
C810048	Zeta 7 Solution	1 litre bottle

Algitray and **Gypstray** are ideal for the cleaning and removal of alginates and gypsum residues from trays and instruments. Guarantees deep cleaning action even in less accessible areas, with respect for to treated materials.

Algitray is a specific cleaner, free of phosphates and surfactants, for removing alginate residues from impression trays and other instruments.
Gypstray is a ready to use solution for the removal of gypsum residues from impression trays, spatulas or other instruments.

Algitray and Gypstray

Advantages

- **Efficacy:** help remove traces of alginate and gypsum even in less accessible areas
- **Protection of materials:** non-aggressive formula

Product	Type of product	Active ingredients	Dilution
Algitray	Cleaner for removing alginate residues	Alginate dissolvers	Solution powder: 10 %
Gypstray	Cleaner for removing gypsum residues	Gypsum dissolvers	Ready to use

Code	Product	Packaging
C400435	Algitray	1 kg container with dosing spoon
C400441	Gypstray	3 litres container

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Fulfilling your needs

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