

# Catalogue



EN | Solutions for the dental practice



Catalogue  
**2019**



lling your needs

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 35 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 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.

A complete range for the impression taking with a portfolio of products - alginates, condensation silicones, addition silicones - able to adapt to the specific needs of professionals all over the world. Not only products but complete solutions: equipment designed and produced in compliance with clinical processes that systematise and simplify the daily work of professionals with impression materials; the line dedicated to the infection control, specially designed and produced to meet the many needs of the dental practice, and lastly the offers within the scope of dental reconstruction.

## We produce measurable results.

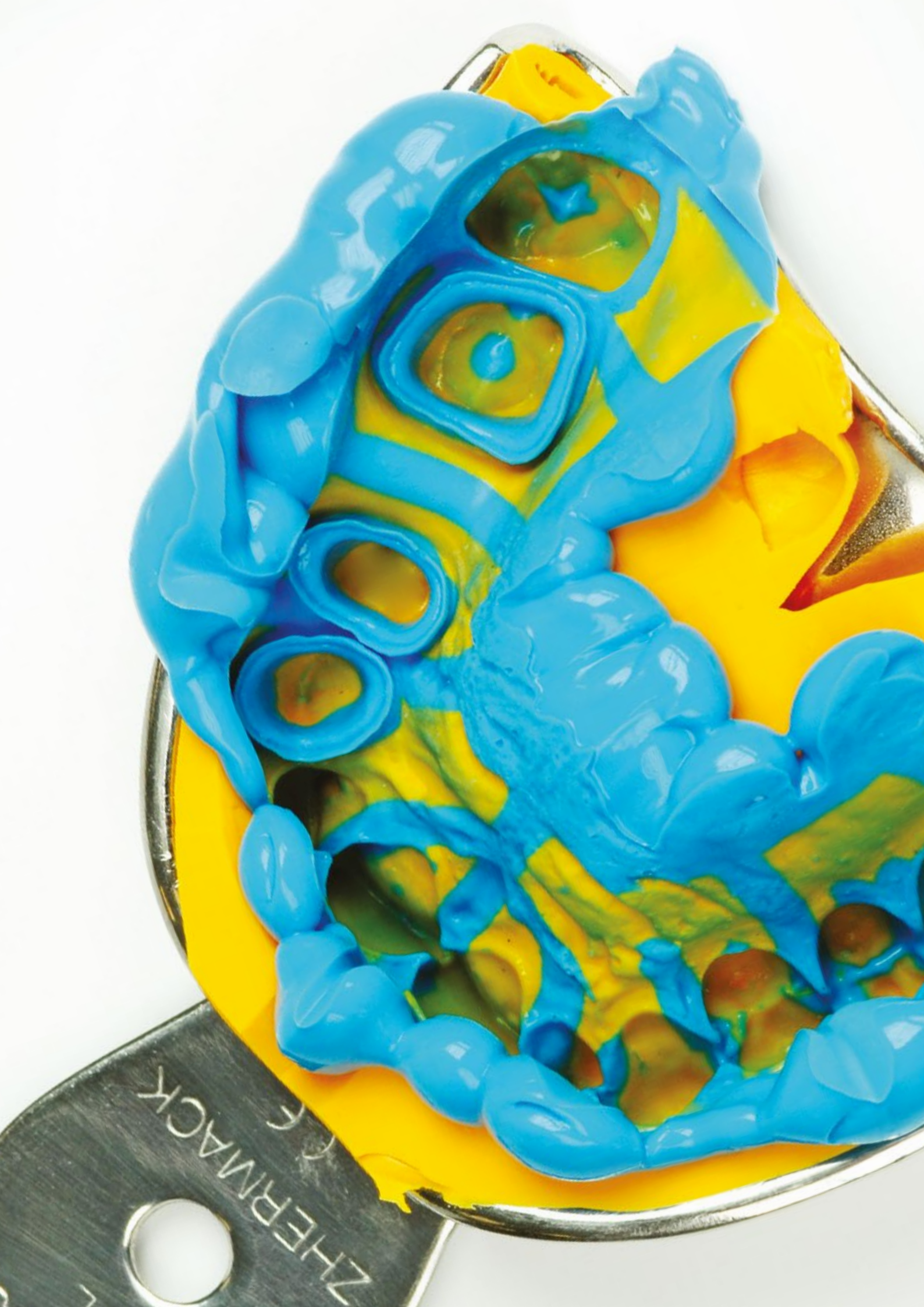
Zhermack directly manages all the working stages - from formulation to packaging, from the production of raw materials to the mixing - to produce all its solutions. Validated and controlled processes are the guarantee with which Zhermack is able to offer products that are constant in their characteristics, 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.



ZHERMACK



## **Impression systems** **9**

Preliminary impression	13
Master impression	27
Transparent matrix	53
Bite registration	57
Relining	65
Accessories	69

## **Restorative** **81**

Temporary restorations	83
Permanent restorations	87

## **Hygiene** **93**

Instruments and burs	97
Surfaces	101
Special applications	105
Hands	113
Disposable	116

## **Equipment** **123**

Mixers for impression systems	125
Solutions for hygiene	133

## **Model casting** **136**

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.







# Impression systems

For the last 35 years, Zhermack has been offering innovative solutions for impression taking, by constantly expanding and improving its product range. With the experience of those who directly produce the materials and control all the working phases, to always obtain high quality standards.

Materials for manual mixing and for automatic mixing, able to meet the preferences of the professional according to the technique used and the indications of the specific case. Zhermack's offer also includes gypsum for the different applications and a line of high quality disinfectants that comply with the most recent regulations.



### Preparation of the material

It is important to carefully choose the **impression tray that is most suitable for the clinical case**. It does not matter whether individual (resin) or standard (plastic or metal), just that it is rigid. It is advisable to use an adhesive that ensures perfect adhesion between the impression materials and the impression tray itself. If necessary, also use the most appropriate gingival retraction system.

Zhermack offers a wide range of impression trays adapted to the indication for the specific cases: for fixed prosthesis, in metal and in plastic, and for removable prosthesis, in rigid plastic. For other cases in which it is necessary to build a custom impression tray, the light-curing plates are available.

- Hi-Tray for impression taking
- Light-curing plates
- Universal Tray Adhesive
- Elite Cord for gingival displacement



### Impression taking

The success of an impression is influenced by several factors such as the technique used, the experience and the choice of the most suitable materials according to the clinical case. Zhermack proposes **different solutions such as alginates, condensation silicones and addition silicones**, each with specific characteristics, in order to satisfy the different needs of the dental practice.

- Alginates
- Condensation silicones
- Addition silicones
- Addition silicones for bite registration
- Addition silicones for transparent matrixes



## Cleaning and disinfection of the impression

To protect ourselves from cross infection risks, it is necessary to correctly follow the procedures, but also to rely on effective and safe products.

**Zeta Hygiene** is a complete range of products for **cleaning, disinfection and sterilisation in the dental practice**, characterised by effectiveness, convenience and safety. In particular, in order to obtain a correct disinfection of the impression, Zhermack offers Zeta 7 Spray or Zeta 7 Solution.

- Zeta 7 Spray
- Zeta 7 Solution



## Model casting

It often happens that the model needs to be cast directly in the practice to reproduce the state of the patient's dentition for diagnostic purposes.

This allows to assess the most suitable orthodontic treatment or prosthesis, or even only to check the occlusion.

To obtain the maximum precision, you can find within the wide range of **Zhermack gypsum** the one that is the most indicated for the applications of the dental practice.

- Elite Rock
- Elite Model
- Elite Ortho



## Impression systems

# Preliminary impression

A wide range of alginates that build a system with the automatic and mechanical mixing equipment, together with an alginate replacement, are the solutions that Zhermack has developed for preliminary impressions.

The characteristics of the Zhermack alginates are suitable for every application: from the different processing and setting times (normal, fast and extra-fast) to chromatic variation, to dimensional stability, from 48 to 120 hours. They all stand out by their high thixotropy and their accuracy in the reproduction of details, as well as ease of use. They mix easily and their homogeneous texture ensures excellent levels of elasticity and dimensional stability. They also have a pleasant scent, which helps the patient overcome any fears during the impression taking. The addition silicone, an alginate replacement, adds to the traditional characteristics of the alginates the advantages of high dimensional stability, greater flexibility and a better recovery from deformation, in addition to a greater tear resistance.

<b>HIGH DIMENSIONAL STABILITY ALGINATES</b>	
<b>Hydrogum 5</b> .....	14
<b>Hydrocolor 5</b> .....	14
<b>HIGH PRECISION ALGINATE</b>	
<b>Neocolloid</b> .....	15
<b>ALGINATE FOR ORTHODONTICS</b>	
<b>Orthoprint</b> .....	16
<b>UNIVERSAL ALGINATES</b>	
<b>Hydrogum</b> .....	17
<b>Hydrogum Soft</b> .....	17
<b>Tropicalgin</b> .....	17
<b>Phase Plus</b> .....	17
<b>Zetalgin</b> .....	18
<b>ALGINATE REPLACEMENT</b>	
<b>Freealgin</b> .....	20

# Hydrogum 5 | Hydrocolor 5

High dimensional stability alginates

Impression systems / Preliminary impression

**Hydrogum 5** and **Hydrocolor 5** are the high dimensional stability solutions studied by Zhermack, which will allow to have more time for the casting of the model after the impression taking, thus overcoming working time that is often too tight, and simplifying the daily work of the dentist. They enable the impression to be cast up to 5 days after the impression is taken, thus obtaining precise and reliable models.

**Hydrogum 5** is an extra-fast setting alginate, with a homogeneous consistency and an accurate reproduction of details. It ensures less stress for the patient, thanks to the time in mouth of only 45 seconds.

**Hydrocolor 5** is a chromatic alginate, with a pleasant berry scent, easy to use thanks to the three processing steps that clearly indicate the mixing phase (fuchsia), when the alginate is ready to be loaded on the impression tray (violet) and when it can be inserted into the patient's mouth (light blue).

## Characteristics

- High dimensional stability
- Quick working and setting times
- Thixotropy
- Pleasant scents
- Hydrocolor 5 is a chromatic alginate which changes colour to guide the dentist during the 3 processing stages
- Can be mixed with Hurrimix<sup>2</sup> or Alghamix II

## Advantages

- Long dimensional stability of impressions (5 days of dimensional stability)
- Easy mixing
- Homogeneous mass, smooth, compact surfaces



Hydrogum 5



Hydrogum 5



Hydrocolor 5



**Neocolloid** is a high precision alginate developed to obtain accurate preliminary impressions and precise prosthetic results.

Its high precision makes it the ideal choice for dentists specialized in removable prostheses. The extended working time (2 minutes) give the dentist the possibility to operate in a more precise manner and with greater peace of mind.

## Characteristics

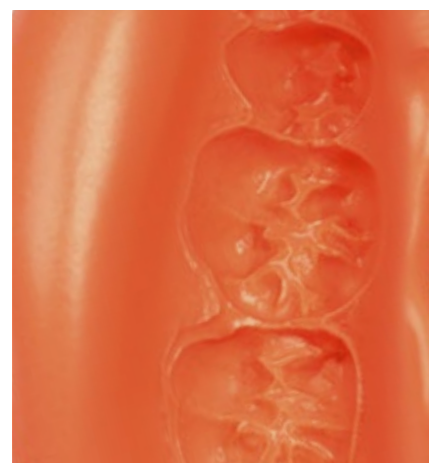
- High Precision
- Normal working time
- Low thixotropy
- Can be mixed with Hurrimix<sup>2</sup> or Alghamix II

## Advantages

- Fast water absorption
- Easy mixing
- Homogeneous mass, smooth and compact surfaces
- Injectable



Neocolloid



Neocolloid



Neocolloid





**Orthoprint** is a specific alginate for orthodontic use that combines precision and practicality.

Highly elastic and suitable for impression taking even in the presence of brackets. It is characterized by extra-fast working and setting times to allow for the quick removal of the impression from the oral cavity, while recording even the smallest details.

Its vanilla scent, with emetic reflex reduction, helps patients to overcome any fears.

## Characteristics

- Highly elastic alginate
- Extra-fast working and setting times
- Vanilla scent
- Can be mixed with Hurrimix<sup>2</sup> or Alghamix II

## Advantages

- Fast water absorption
- Easy mixing
- Emetic reflex reduction



Orthoprint





In addition to the alginates with specific characteristics, the wide Zhermack range also allots an important place to the universal alginates, to meet the many needs of daily clinical practice.

Like **Hydrogum** and **Hydrogum Soft**, that are particularly elastic and resistant.

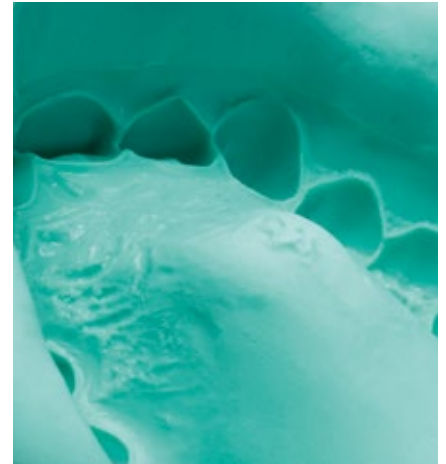
Or like the chromatic alginates **Tropicalgin** and **Phase Plus**, designed to highlight in an easy and immediate way the processing steps through their colour change.

## Characteristics

- Fast working and setting times
- Thixotropy
- Tropicalgin and Phase Plus are chromatic alginates which change colour to guide the dentist during the 3 processing stages
- Can be mixed with Hurrimix<sup>2</sup> or Alghamix II

## Advantages

- Easy mixing
- Homogeneous mass, smooth, compact surfaces
- All purposes



Hydrogum



Hydrogum Soft



**Zetalgin** is a universal alginate designed to meet the multiple needs of everyday clinical practice.

It is ideal for professionals searching for a simple and effective solution for taking impressions.

## Characteristics

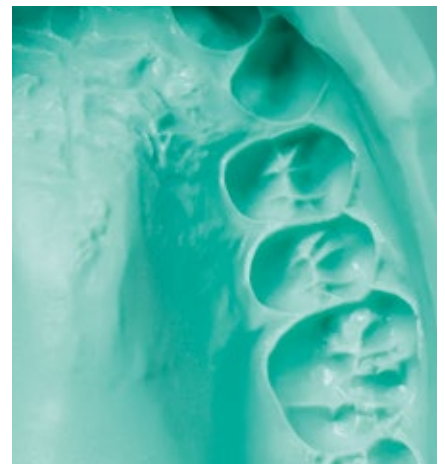
- Elastic
- Available also in chromatic version (Zetalgin Chromatic)
- 1 minute of time in mouth
- Mint scent

## Advantages

- Easy impression removal thanks to the material elasticity
- Zetalgin Chromatic: color change that guides the dentist during the three processing phases (violet - mixing time, grey – working time, green – time in mouth)
- Short time in mouth for a greater patient comfort



Zetalgin



Zetalgin





# Freealgin

Alginate replacement

Impression systems / Preliminary impression

**Freealgin** is a medium viscosity addition silicone, used in substitution of traditional alginates for preliminary impression taking.

One of its advantages is its high dimensional stability (superior to alginates), which ensures flexibility in the impression casting times and greater accuracy. Greater elasticity, a better recovery from deformation and a higher tear resistance also complement its characteristics. For automatic mixing, the packaging is also available in a 5:1 ratio, which is quick and convenient.

## Characteristics

- 1:1 and 5:1 mixing ratio
- Thixotropy
- Biocompatibility
- Mangosteen scent

## Advantages

- High tear resistance
- Excellent recovery from deformation
- High dimensional stability



Freealgin

# Preliminary impression

Product features



Impression systems / Preliminary impression

Product	Distinctive characteristics	Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)	Scent	Strain in compression	Elastic recovery	Compressive strenght
Hydrogum 5	High stability	Extra Fast	1:05	0:45	1:50	Mangustan	13.0 %	98 %	1.2 MPa
Hydrocolor 5	Chromatic High stability	Fast	1:10	1:00	2:10	Cool berry	12.0 %	97 %	1.1 MPa
Neocolloid	High precision	Normal	2:00	1:30	3:30	Herbal	10.3 %	99 %	1.1 MPa
Orthoprint	Orthodontic	Extra Fast	1:05	0:45	1:50	Vanilla	11.0 %	98 %	1.2 MPa
Hydrogum	Elastic	Fast	1:10	1:00	2:10	Mint	11.7 %	98 %	1.2 MPa
Hydrogum Soft	Extra elastic	Fast	1:10	1:00	2:10	Mint	11.9 %	98 %	1.0 MPa
Tropicalgin	Chromatic User-friendly & Exotic	Fast	1:35	1:00	2:35	Mango	11.5 %	99 %	1.4 MPa
Phase Plus	Chromatic Easy Handling	Fast	1:35	1:00	2:35	Spearmint	11.5 %	99 %	1.4 MPa
Zetalgin	Elastic Chromatic	Fast	1:35 1:10	1:00	2:35 2:10	Mint	10.0 %	96 %	0.8 MPa

\* The times mentioned must be intended at 23 °C - 73 °F

Product	Distinctive characteristics	Type of setting	Working time** (min:s)	Time in mouth** (min:s)	Setting time** (min:s)	Scent	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)
Freealgin	High dimensional stability 5:1 automatic mixing system	Fast	1:00	1:30	2:30	Mangustan	3 - 5 %	> 99.5 %	< 0.2 %	40

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

# Preliminary impression

Codes

Impression systems / Preliminary impression



## High dimensional stability alginates

Code	Product	Setting time	Packaging
C302070	Hydrogum 5	Extra Fast Set	1 bag 453 g
C302071	Hydrogum 5	Extra Fast Set	1 canister + 2 bags 453 g + measuring spoons set
C302075	Hydrogum 5	Extra Fast Set	1 single-dose bag 21 g
C302120	Hydrocolor 5	Fast Set	1 bag 453 g
C302130	Hydrocolor 5	Fast Set	1 single-dose bag 21 g

FUCHSIA in the mixing time | VIOLET in the working time | LIGHT BLUE in the mouth

## High precision alginates

Code	Product	Setting time	Packaging
C302205	Neocolloid	Normal Set	1 bag 500 g
C302230	Neocolloid	Normal Set	1 single-dose bag 18 g

## Universal alginates

Code	Product	Setting time	Packaging
C302025	Hydrogum	Fast Set	1 bag 500 g
C302051	Hydrogum	Fast Set	1 single-dose bag 18 g
C302060	Hydrogum Soft	Fast Set	1 bag 453 g
C302240	Tropicalgin	Fast Set	1 bag 453 g
C302242	Tropicalgin	Fast Set	1 canister + 2 bags 453 g + measuring spoons set
C302245	Tropicalgin	Fast Set	1 single-dose bag 18 g
C302086	Phase Plus	Fast Set	1 bag 453 g

RED in the mixing time | ORANGE in the working time | YELLOW in the mouth  
VIOLET in the mixing time | PINK in the working time | WHITE in the mouth



### Universal alginates

Code	Product	Setting time	Packaging
C301001	Zetalgin	Fast Set	1 bag 453 g
C301004	Zetalgin Chromatic*	Fast Set	1 bag 453 g

\*VIOLET in the mixing time | GREY in the working time | GREEN in the mouth

### Alginates for orthodontics

Code	Product	Setting time	Packaging
C302145	Orthoprint	Extra Fast Set	1 bag 500 g
C302161	Orthoprint	Extra Fast Set	1 canister + 2 bags 500 g + measuring spoons set
C302171	Orthoprint	Extra Fast Set	1 single-dose bag 18 g

In combination with the alginates, Zhermack recommends the use of:



Hurrimix<sup>2</sup>: centrifugal mixer for alginates and gypsum.  
More details on page 126.



Alghamix II: mechanical mixer for alginates and C-Silicones.  
More details on page 128.



### Alginate replacement

Code	Product	Setting time	Packaging
C300110	Freealgin	Fast Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 4 lilac mixing tips

Code	Product	Setting time	Packaging
C300100	Freealgin Maxi	Fast Set	Standard Pack: 2 x 380 ml cartridges (Base + Catalyst) + 15 dynamic-static mixing tips + 2 mixing tip lockers
C300102	Freealgin Maxi	Fast Set	Eco Pack: 6 x 380 ml cartridges (Base + Catalyst) + 2 mixing tip lockers

Sympress refers only to Freealgin in 5:1 ratio



For automatic mixing of the 5:1 systems we recommend the use of Sympress.  
More details on page 130.

5:1 Packaged in the 5:1 automatic mixing system



# Preliminary impression

Accessories

Impression systems / Preliminary impression





Code C300900



Measuring cups set for Hydrocolor 5 - Hydrogum 5

Code C300910



Measuring cups set for alginates

Code C300992



Rubber mixing bowl

Code C300990



Fluorescent coloured alginate spatulas (6 pcs)

Code C300960



Long Life Bag, 1 package 100 pcs (bags with hermetic closure to store impressions)

Code C400435



Algitray 1 kg

Code C205501



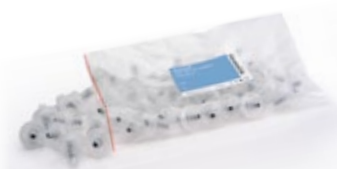
Lilac mixing tips

Code C202100



D2 Dispenser 1:1

Code C205530



Dynamic-static mixing tips (50 pcs)

Code C205540



Mixing tip lockers (2 pcs)





## Impression systems

# Master impression

Knowledge, technique, high quality materials. In other words, the optimal impression. The right one, which meets the dentist's requirements. Addition or condensation silicones, to obtain an accurate and precise impression, with a long dimensional stability (especially for A-Silicones) and high tear resistance.

On the basis of the clinical situation, the dentist can choose materials with a longer or shorter working time. Furthermore, Zhermack silicones are biocompatible and characterized by pleasing scents, to ensure a greater comfort to patients.

### ADDITION SILICONES

<b>Hydrorise</b> .....	28
<b>Hydrorise Implant</b> .....	32
<b>Elite HD+</b> .....	36
<b>Elite P&amp;P</b> .....	40

### CONDENSATION SILICONES

<b>Zetaplus</b> .....	46
<b>Oranwash</b> .....	46
<b>Thixoflex</b> .....	46
<b>Indurent Gel</b> .....	46
<b>Zetaflow</b> .....	46
<b>Orthogum</b> .....	50

High performance for **Hydrorise**, the hyper-hydrocompatible A-Silicone for high precision impression, which adapts to different impression techniques (double step impression, simultaneous impression with double viscosity and monophasic impression) in various clinical situations.

The exclusive AMDA (Advanced Moisture Displacement Action) technology, developed by the Zhermack research, favours a precise reproduction of details in the humid environment of the mouth, while preserving the integrity of the impression margins due to its tear strength. Its excellent hydrocompatibility ensures a greater fluidity of the silicone, which adapts perfectly to different dental morphologies and considerably improves the quality of the impression. Hydrorise was also formulated to meet the needs of the patient: thanks to its thixotropy, the silicone does not flow in the mouth during impression taking. The synergy of its physical and mechanical properties make Hydrorise a precise and reliable silicone for professionals as they can optimize their working times and also increase the comfort of the patient during impression taking.

## Characteristics

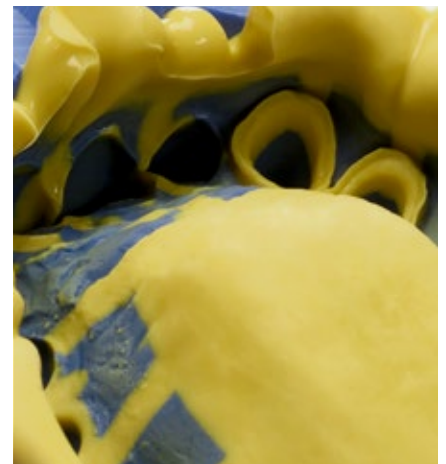
- Mixing ratio 1:1 or 5:1 with the 380 ml cartridges
- Ideal working time/setting time ratio:
  - Long working time
  - Shorter permanence in the oral cavity
- Biocompatibility
- High hydrocompatibility
- Thixotropy
- Mint scent
- Normal and fast setting for all 6 viscosities

## Advantages

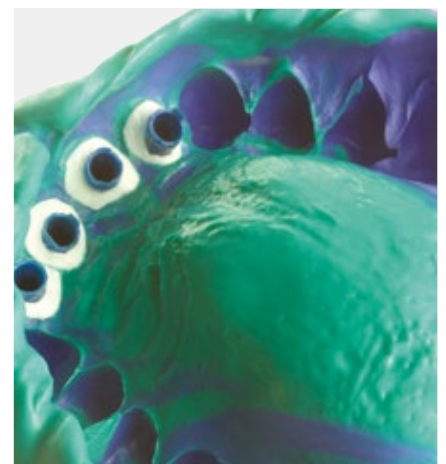
- Maximum precision in detail reproduction
- Resistance to deformation
- Excellent elastic recovery
- High dimensional stability
- Less waste of material with the 5:1 automatic mixing system



Hydrorise Putty - Light



Hydrorise Putty - Extra Light



Hydrorise Heavy - Regular



Product	Delivery system	Viscosity	Recommended techniques	Recommended application			Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
				Fixed	Removable	Implantology				
Hydrorise Putty	Manual mixing or 5:1 automatic mixing	Putty	Double step impression	●		●	Normal Set	2:00	3:30	5:30
							Fast Set	1:30	2:30	4:00
Hydrorise Heavy Body	1:1 dispenser or 5:1 automatic mixing	Heavy	Single step impression	●		●	Normal Set	2:00	3:30	5:30
							Fast Set	1:30	2:30	4:00
Hydrorise Monophase	1:1 dispenser or 5:1 automatic mixing	Monophase	Monophase impression	●	●	●	Normal Set	2:00	3:30	5:30
							Fast Set	1:30	2:30	4:00
Hydrorise Regular Body	1:1 dispenser	Medium	Single step impression	●	●	●	Normal Set	2:00	3:30	5:30
			Double step impression				Fast Set	1:30	2:30	4:00
Hydrorise Light Body	1:1 dispenser	Light	Single step impression	●		●	Normal Set	2:00	3:30	5:30
			Double step impression				Fast Set	1:30	2:30	4:00
Hydrorise Extra Light Body	1:1 dispenser	Extra Light	Double step impression	●			Normal Set	2:00	3:30	5:30
							Fast Set	1:30	2:30	4:00

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)	Shelf-life
Hydrorise Putty	Type 0 Putty Consistency	1 - 3 %	> 99.0 %	< 0.2 %	60 ± 2	3 years
Hydrorise Heavy Body	Type 1 Heavy-bodied Consistency	1 - 3 %	> 99.5 %	< 0.2 %	60 ± 2	3 years
Hydrorise Monophase	Type 2 Medium-bodied Consistency	1 - 3 %	> 99.5 %	< 0.2 %	54 ± 2	3 years
Hydrorise Regular Body	Type 2 Medium-bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45 ± 2	3 years
Hydrorise Light Body	Type 3 Light-bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45 ± 2	3 years
Hydrorise Extra Light Body	Type 3 Light-bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45 ± 2	3 years



## Hydrorise Putty - Very high viscosity A-Silicone

Code	Setting time	Packaging
C207010	Normal Set	Standard Pack: 300 ml Base + 300 ml Catalyst tubs
C207011	Fast Set	
C207012	Normal Set	Eco Pack: 900 ml Base + 900 ml Catalyst tubs
C207013	Fast Set	
C207071	Fast Set	Trial Kit: 100 ml Base + 100 ml Catalyst tubs Putty Fast + 50 ml Light Fast + 6 mixing tips yellow



## Hydrorise Maxi Putty - Very high viscosity A-Silicone

Code	Setting time	Packaging
C207044	Normal Set	Standard Pack: 2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207045	Fast Set	
C207064	Normal Set	Eco Pack: 6 x 380 ml cartridges + 2 mixing tip lockers
C207065	Fast Set	



5:1

## Hydrorise Heavy Body - High viscosity A-Silicone

Code	Setting time	Packaging
C207008	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 6 mixing tips green
C207009	Fast Set	
C207077	Fast Set	Trial Kit: 1 x 50 ml Heavy Fast + 1 x 50 ml Light Fast + 6 mixing tips yellow + 3 mixing tips green



## Hydrorise Maxi Heavy Body - High viscosity A-Silicone

Code	Setting time	Packaging
C207042	Normal Set	Standard Pack: 2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207043	Fast Set	
C207062	Normal Set	Eco Pack: 6 x 380 ml cartridges + 2 mixing tip lockers
C207063	Fast Set	



5:1



### Hyrorise Monophase - Medium viscosity A-Silicone

Code	Setting time	Packaging
C207006	Normal Set	Standard Pack: 2 x 50 ml cartridges + 6 mixing tips pink
C207007	Fast Set	



5:1

### Hyrorise Maxi Monophase - Medium viscosity A-Silicone

Code	Setting time	Packaging
C207040	Normal Set	Standard Pack: 2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207041	Fast Set	
C207060	Normal Set	Eco Pack: 6 x 380 ml + 2 mixing tip lockers
C207061	Fast Set	



### Hyrorise Regular Body - Medium viscosity A-Silicone

Code	Setting time	Packaging
C207004	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips pink
C207005	Fast Set	



### Hyrorise Light Body - Low viscosity A-Silicone

Code	Setting time	Packaging
C207000	Normal Set	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips yellow
C207001	Fast Set	
C207071	Fast Set	Trial Kit: 100 ml Base + 100 ml Catalyst tubs Putty Fast + 50 ml Light Fast + 6 mixing tips yellow
C207077	Fast Set	Trial Kit: 1 x 50 ml Heavy Fast + 1 x 50 ml Light Fast + 6 mixing tips yellow + 3 mixing tips green



### Hyrorise Extra Light Body - Very low viscosity A-Silicone

Code	Setting time	Packaging
C207002	Normal Set	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips yellow
C207003	Fast Set	



For automatic mixing of the 5:1 systems we recommend the use of Sympress. More details on page 130

5:1 Packaged in the 5:1 automatic mixing system



# Hydrorise Implant

A-Silicone

Impression systems / Master impression

**Hydrorise Implant** is a scannable radiopaque A-Silicone specific for implantology, developed by Zhermack R&D to complete the Hydrorise range.

Characterised by a high final hardness, it allows to obtain an accurate impression that detects the three-dimensional position of the implant with precision before transferring it to the laboratory.

Available in three viscosities - Heavy, Medium and Light Body - in order to combine the need for rigidity with the one for detail reproduction, it can be used with monophasic (Medium Body) and simultaneous (Heavy and Light Body) techniques.

Hydrorise Implant is available both in Normal (Heavy, Light and Medium Body) and Quick Set (Medium Body) versions to fulfill the different clinical needs of the dental practice.

It is packed in automatic mixing cartridges to simplify and speed up the mixing phase.

Moreover, it can be used with the main impression trays (standard in plastic or steel, or custom in resin).

## Characteristics

- Medium Body available in Normal and Quick Set
- Mixing ratio 1:1 (Hydrorise Implant Light Body 50 ml)
- Mixing ratio 5:1 (Hydrorise Implant Medium and Heavy Body 380 ml)
- High final hardness
- Hydrocompatibility
- Thixotropy
- Radiopacity
- Biocompatibility
- Scannability without using matting sprays
- Mint scented

## Advantages

- High rigidity that helps holding the transfer in the three-dimensional position
- High elastic recovery to minimize the risk of deformation during removal from the mouth
- Ideal snap-set that combines an adequate working time with a short time in the mouth
- High detail reproducibility of soft tissues around the transfer (Light Body)
- Ease of use (mixing and dosing) thanks to the self-mixing cartridges
- 380 ml cartridges compatible with the main 5:1 automatic mixers on the market



Hydrorise Implant Medium Body



Hydrorise Implant Heavy - Light Body



Hydrorise Implant Heavy - Light Body



- High dimensional stability
- High thixotropy: the material does not flow in the mouth of the patient
- Disinfectability without any significant dimensional changes
- Biocompatible for a greater patient safety
- Immediate impression readability by the dentist thanks to easily readable colors
- Easy removal of the model from the impression by the dental technician
- 3 years shelf-life

Product	Delivery system	Viscosity	Recommended techniques	Implantology	Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
<b>Hydrorise Implant Heavy Body</b>	5:1 automatic mixing	Heavy	Single step impression	●	Normal set	02:00	03:30	05:30
<b>Hydrorise Implant Medium Body</b>	5:1 automatic mixing	Medium	Monophase impression	●	Normal set	02:00	03:30	05:30
					Quick set	01:30	02:00	03:30
<b>Hydrorise Implant Light Body</b>	1:1 dispenser	Light	Single step impression	●	Normal set	02:00	03:30	05:30

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)	Shelf-life
<b>Hydrorise Implant Heavy Body</b>	Type 1 Heavy-bodied Consistency	1 - 3 %	> 99.3 %	< 0.25 %	70	3 years
<b>Hydrorise Implant Medium Body</b>	Type 2 Medium-bodied Consistency	1 - 3 %	> 99.3 %	< 0.25 %	60	3 years
<b>Hydrorise Implant Light Body</b>	Type 3 Light-bodied Consistency	1 - 3,1 %	> 99.3 %	< 0.25 %	55	3 years

# Hydrorise Implant

Codes

Impression systems / Master impression



## Hydrorise Implant Heavy Body – High viscosity A-Silicone



5:1

Code	Packaging
C207090	2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207095	Hydrorise Implant Intro pack Kit Heavy/Light: 1 x 380 ml Heavy Body + 1 x 50 ml Light Body + 6 dynamic-static mixing tips + 6 mixing tips yellow + 1 mixing tip locker

## Hydrorise Implant Medium Body – Medium viscosity A-Silicone



5:1

Code	Setting time	Packaging
C207092	Normal set	2 x 380 ml cartridges + 15 dynamic-static mixing tips + 2 mixing tip lockers
C207122	Quick set	
C207096	Normal set	Hydrorise Implant Intro pack Medium Body: 1 x 380 ml Medium Body + 6 dynamic-static mixing tips + 1 mixing tip locker
C207126	Quick set	

## Hydrorise Implant Light Body – Low viscosity A-Silicone



Code	Packaging
C207091	2 x 50 ml cartridges + 12 mixing tips yellow
C207095	Hydrorise Implant Intro pack Kit Heavy/Light: 1 x 380 ml Heavy Body + 1 x 50 ml Light Body + 6 dynamic-static mixing tips + 6 mixing tips yellow + 1 mixing tip locker



For automatic mixing of the 5:1 systems we recommend the use of Sympress. More details on page 130

5:1

Packaged in the 5:1 automatic mixing system



**Elite HD+** is an addition silicone that combines the effects of nanotechnology with hydro-compatibility, thus guaranteeing high performance in a variety of clinical conditions, even the most difficult.

The nanoparticles contained inside the silicone increase its flowability to reach the less accessible spaces of the gingival sulcus. The combination of nanotechnology and hydrocompatibility allows you to obtain the information quickly and therefore considerably reduce the risk of bubble formation. It is indicated for the traditional fixed and removable prosthesis in the double, monophase and single step impression techniques.

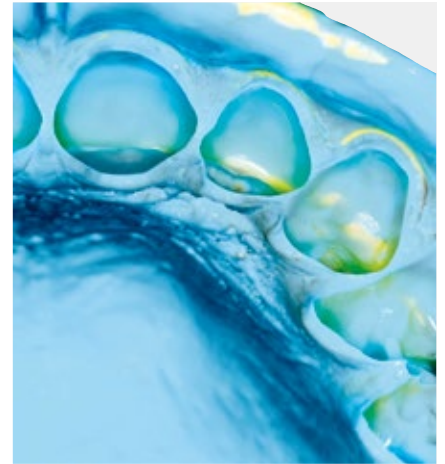
Available in 3 different packagings according to the type of mixing (manual, mechanical or automatic) and with 6 different consistencies. All high consistency materials, including Putty, can be mixed in a fast and easy way with the automatic mixer for Zhermack 380 ml cartridges with a 5:1 ratio.

## Characteristics

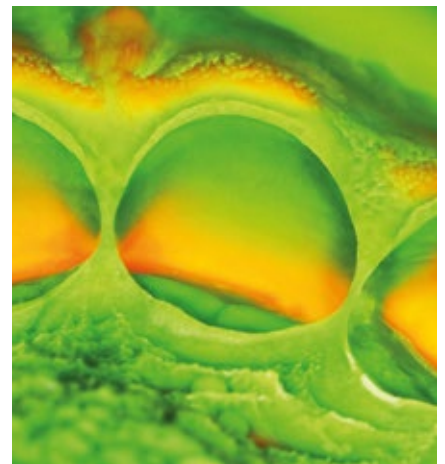
- Mixing ratio: 1:1 for the cartridge in the 50 ml format or 5:1 for the cartridges in the 380 ml format
- Hydrocompatibility
- Thixotropy (except the Super Light)
- Ideal working time/setting time ratio
  - Long working time
  - Shorter permanence in the oral cavity
- Different colours according to the viscosity
- Available in tubes also (Regular and Light Body)

## Advantages

- Resistance to deformation
- Excellent elastic recovery
- High dimensional stability
- Opaque pigments for improved detail reading (Elite HD+ Tray Material, Monophase, Regular Body, Light body and Super Light Body)



Elite HD+ Putty - Light Normal Set



Elite HD+ Putty - Light Fast Set



Elite HD+ Light Normal Set



Product	Delivery system	Viscosity	Recommended technique	Recommended application			Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
				Fixed	Removable	Implantology				
Elite HD+ Putty Soft	Manual mixing or 5:1 automatic mixing	Putty	Double step impression	●		●	Normal Set	2:00	3:30	5:30
							Fast Set	1:30	2:30	4:00
Elite HD+ Tray Material	1:1 dispenser or 5:1 automatic mixing	Heavy	Single step impression	●		●	Fast Set	1:30	2:30	4:00
Elite HD+ Monophase	1:1 dispenser or 5:1 automatic mixing	Monophase	Monophase impression	●	●	●	Normal Set	2:00	3:30	5:30
Elite HD+ Regular Body	1:1 dispenser or Manual mixing	Medium	Single step impression	●	●	●	Normal Set	2:00	3:30	5:30
			Double step impression							
Elite HD+ Light Body	Manual mixing or 1:1 dispenser	Light	Single step impression	●		●	Normal Set	2:00	3:30	5:30
	1:1 dispenser		Double step impression				Fast Set	1:30	2:30	4:00
Elite HD+ Super Light Body	1:1 dispenser	Extra Light	Double step impression	●			Fast Set	1:30	2:30	4:00

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)	Shelf-life
Elite HD+ Putty Soft	Type 0 Putty Consistency	1 - 3 %	> 99.5 %	< 0.2 %	60	3 years
Elite HD+ Tray Material	Type 1 Heavy-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	60	3 years
Elite HD+ Monophase	Type 2 Medium-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	60	3 years
Elite HD+ Regular Body	Type 2 Medium-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45	3 years
Elite HD+ Light Body	Type 3 Light-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45	3 years
Elite HD+ Super Light Body	Type 3 Light-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45	3 years



## Elite HD+ Putty Soft - Very high viscosity A-Silicone

Code	Setting time	Packaging
C203000	Normal Set	Standard Pack: 250 ml Base + 250 ml Catalyst tubs
C203010	Fast Set	
C203002	Normal Set	Eco Pack: 2 x 450 ml Base + 2 x 450 ml Catalyst tubs
C203012	Fast Set	
C203100	Normal Set	Intro Kit: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal, 1 x 50 ml Light Normal, 1 x 50 ml Regular Normal + 12 mixing tips yellow + 6 oral tips yellow + 1 Dispenser D2



NORMAL FAST

## Elite HD+ Maxi Putty Soft - Very high viscosity A-Silicone

Code	Setting time	Packaging
C202340	Normal Set	Standard Pack: 2 x 380 ml cartridges (Base + Catalyst) + 15 dynamic-static mixing tips + 2 mixing tip lockers
C202360	Fast Set	
C202350	Normal Set	Eco Pack: 6 x 380 ml cartridges (Base + Catalyst) + 2 mixing tip lockers
C202370	Fast Set	



NORMAL **5:1** FAST

## Elite HD+ Tray Material - High viscosity A-Silicone

Code	Setting time	Packaging
C202032	Fast Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 6 mixing tips green



## Elite HD+ Maxi Tray Material - High viscosity A-Silicone

Code	Setting time	Packaging
C202320	Fast Set	Standard Pack: 2 x 380 ml cartridges (Base + Catalyst) + 15 dynamic-static mixing tips + 2 mixing tip lockers
C202330	Fast Set	Eco Pack: 6 x 380 ml cartridges (Base + Catalyst) + 2 mixing tip lockers



**5:1**

## Elite HD+ Monophase - Medium viscosity A-Silicone

Code	Setting time	Packaging
C202020	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips yellow





### Elite HD+ Maxi Monophase - Medium viscosity A-Silicone

Code	Setting time	Packaging
C202300	Normal Set	Standard Pack: 2 x 380 ml cartridges (Base + Catalyst) + 15 dynamic-static mixing tips + 2 mixing tip lockers
C202310	Normal Set	Eco Pack: 6 x 380 ml cartridges (Base + Catalyst) + 2 mixing tip lockers



5:1

### Elite HD+ Regular Body - Medium viscosity A-Silicone

Code	Setting time	Packaging
C203020	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips yellow
C203025	Normal Set	Standard Pack: 2 x 90 ml tubes (Base + Catalyst)
C203100	Normal Set	Intro Kit: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal, 1 x 50 ml Light Normal, 1 x 50 ml Regular Normal + 12 mixing tips yellow + 6 intraoral tips + 1 Dispenser D2



### Elite HD+ Light Body - Low viscosity A-Silicone

Code	Setting time	Packaging
C203030	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips yellow
C203035	Normal Set	Standard Pack: 2 x 90 ml tubes (Base + Catalyst)
C203100	Normal Set	Intro Kit: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal, 1 x 50 ml Light Normal, 1 x 50 ml Regular Normal + 12 mixing tips yellow + 6 intraoral tips + 1 Dispenser D2



### Elite HD+ Light Body - Low viscosity A-Silicone

Code	Setting time	Packaging
C203040	Fast Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips yellow



### Elite HD+ Super Light Body - Low viscosity A-Silicone

Code	Setting time	Packaging
C203050	Fast Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 12 mixing tips yellow



For automatic mixing of the 5:1 systems we recommend the use of Sympress. More details on page 130

5:1 Packaged in the 5:1 automatic mixing system



**Elite P&P**, Precision & Performance, is the line of A-Silicones indicated for impression taking in the single step technique with two viscosities or in double step impression.

Elite P&P is available in three viscosities putty, regular and light, and is a product that meets the different needs of the dental practice.

The light and regular formulas are of immediate and easy use. They are available in comfortable self-mixing cartridges which allow a fast extrusion of the material, and in 1:1 ratio tubes (which do not require the use of a dispenser). It may be the solution for users of C-Silicones that wish to experience a material which is more precise than the one normally used. Impressions taken with Elite P&P remain stable over time, allowing accurate models, even after two weeks.

## Characteristics

- 1:1 mixing ratio
- Thixotropy
- Ideal working time/setting time ratio
  - Long working time
  - Shorter permanence in the oral cavity
- Biocompatibility
- Available in tubes also (Regular and Light Body)

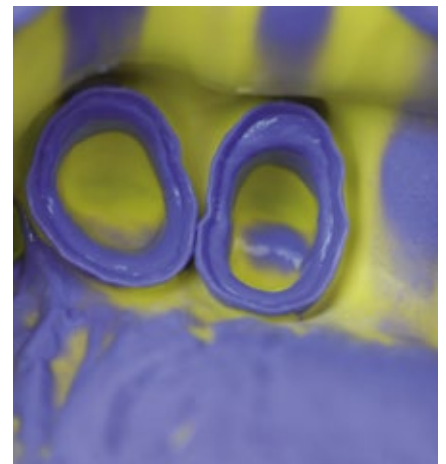
## Advantages

- High accuracy in the reproduction of details
- High tear resistance
- Excellent recovery from deformation
- High dimensional stability

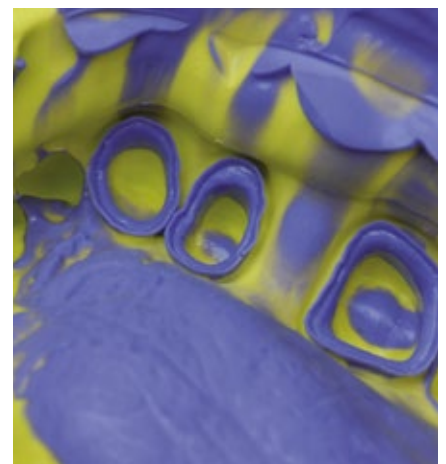
Product not available in all markets.



Elite P&P Putty Fast - Light Fast



Elite P&P Putty Normal - Regular



Elite P&P Putty Normal - Regular



Product	Delivery system	Viscosity	Recommended technique	Recommended application		Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
				Fixed	Removable				
Elite P&P Putty Soft	Manual mixing	Putty	Single step impression	●	●	Normal Set	2:00	3:30	5:30
			Double step impression			Fast Set	1:30	2:30	4:00
Elite P&P Regular Body	1:1 dispenser or Manual mixing	Medium	Single step impression	●	●	Normal Set	2:00	3:30	5:30
			Double step impression						
Elite P&P Light Body	Manual mixing or 1:1 dispenser	Light	Single step impression	●	●	Normal Set	2:00	3:30	5:30
	1:1 dispenser		Double step impression			Fast Set	1:30	2:30	4:00

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)	Shelf-life
Elite P&P Putty Soft	Type 0 Putty Consistency	1 - 3 %	> 99.0 %	< 0.2 %	60 ± 2	3 years
Elite P&P Regular Body	Type 2 Medium-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45 ± 2	3 years
Elite P&P Light Body	Type 3 Light-Bodied Consistency	3 - 5 %	> 99.5 %	< 0.2 %	45 ± 2	3 years



## Elite P&P Putty Soft - Very high viscosity A-Silicone

Code	Setting time	Packaging
C206000	Normal Set	Standard Pack: 250 ml Base + 250 ml Catalyst tubs
C206001	Fast Set	
C206100	Normal Set	Intro Kit Light Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Light Body Normal + mixing pad
C206101	Normal Set	Intro Kit Regular Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Regular Body Normal + mixing pad
C206102	Normal Set	Intro Kit Light Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 50 ml cartridges Light Body Normal + D2 Dispenser + 6 mixing tips yellow + 2 oral mixing tips
C206110	Normal Set	Trial Kit Light Normal Set: 100 ml Base + 100 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Light Body Normal



NORMAL FAST

## Elite P&P Regular Body - Medium viscosity A-Silicone

Code	Setting time	Packaging
C206021	Normal Set	Standard Pack: 2 x 60 ml tubes (Base + Catalyst)
C206012	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 6 mixing tips yellow
C206101	Normal Set	Intro Kit Regular Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Regular Body Normal + mixing pad

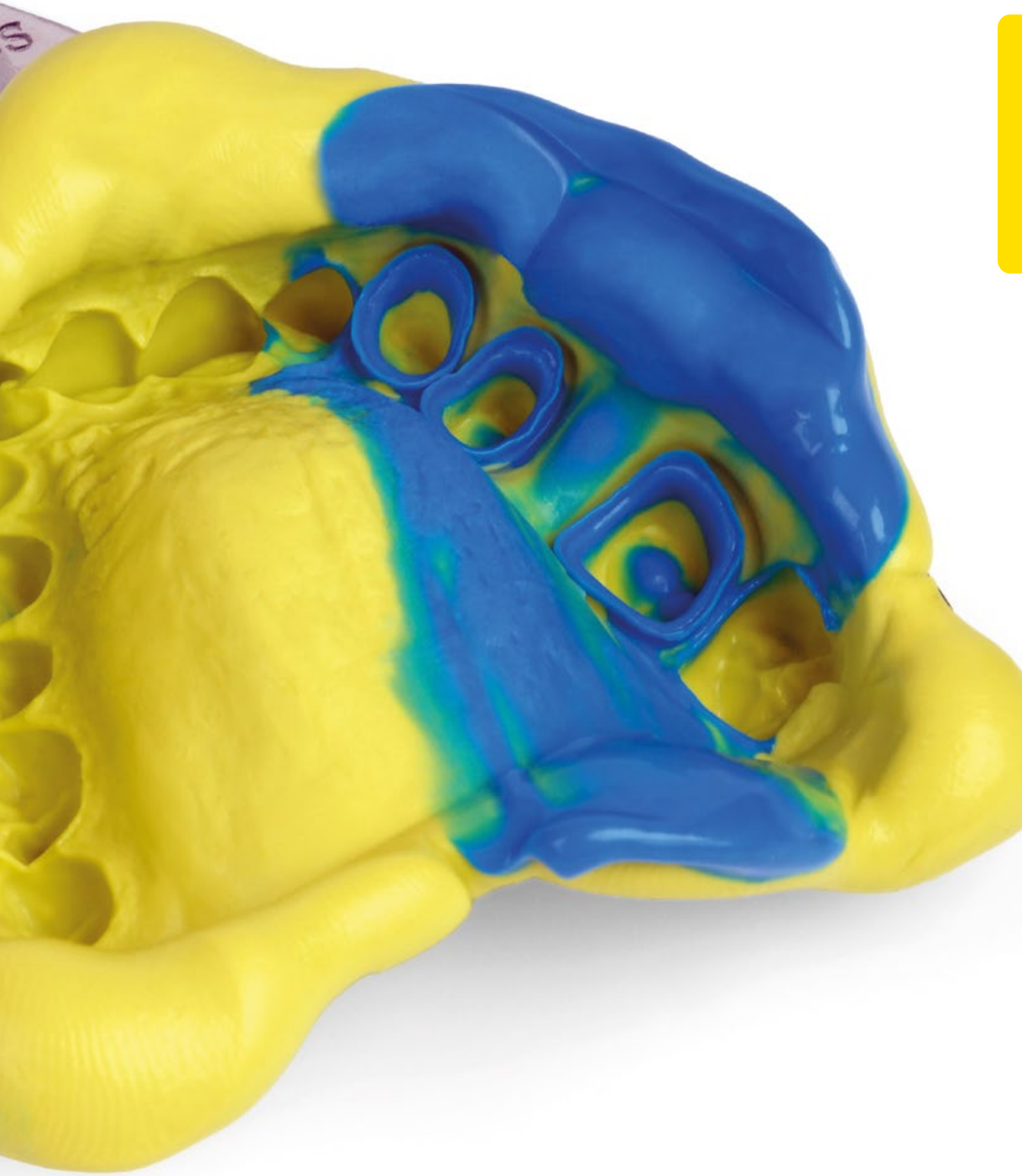


## Elite P&P Light Body - Low viscosity A-Silicone

Code	Setting time	Packaging
C206020	Normal Set	Standard Pack: 2 x 60 ml tubes (Base + Catalyst)
C206010	Normal Set	Standard Pack: 2 x 50 ml cartridges (Base + Catalyst) + 6 mixing tips yellow
C206011	Fast Set	
C206100	Normal Set	Intro Kit Light Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Light Body Normal + mixing pad
C206102	Normal Set	Intro Kit Light Normal Set: 250 ml Base + 250 ml Catalyst tubs Putty Soft Normal + 2 x 50 ml cartridges Light Body Normal + D2 Dispenser + 6 mixing tips yellow - 2 oral mixing tips
C206110	Normal Set	Trial Kit Light Normal Set: 100 ml Base + 100 ml Catalyst tubs Putty Soft Normal + 2 x 60 ml tubes Light Body Normal



NORMAL FAST







Code C202070



Yellow mixing tips (48 pcs)

Code C205500



Pink mixing tips (48 pcs)

Code C202080



Green mixing tips (48 pcs)

Code C205501



Lilac mixing tips (48 pcs)

Code C202090



Yellow oral tips (48 pcs)

Code C700025



Universal Tray Adhesive - bottle 10 ml

Code C202100



D2 Dispenser 1:1

Code C205530



Dynamic-static mixing tips (50 pcs)

Code C205540



Mixing tip lockers (2 pcs)

Code D510010



Putty Cut

Code C207202



Mixing pad (12 sheets)

Code C207200



Spatula for silicones

Impression trays on page 66 and the following.

High performance condensation silicones for impressions in fixed and removable prostheses. A Zhermack quality guarantee, for over 35 years.

More economical than addition silicones or polyethers, they are characterized by a good accuracy and an ideal working time/setting time ratio. They reach an extraordinary thixotropy thanks to the "Flow Conditioning" effect, which gives the material a high stability in the quiescent state. Pressure, moisture and heat, which are conditions that prevail when introducing the impression tray in the oral cavity, immediately increase the fluidity of the material and guarantee an impression taking that is very precise along the edges. The different scents, from mint to orange, make the treatment more pleasant for the patient and professionals.

## Characteristics

- High initial flowability and excellent rigidity after hardening for the putties
- Thixotropy for the washes
- High tear resistance

## Advantages

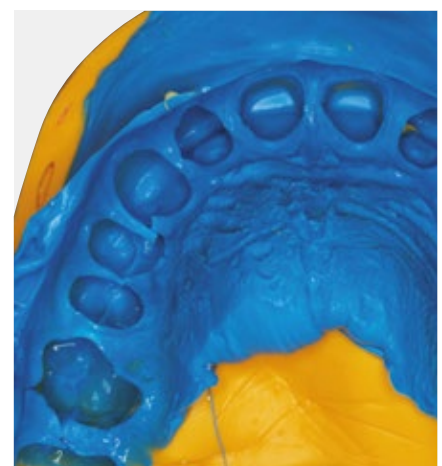
- Excellent relation between rigidity and elasticity
- Ideal working time/setting time ratio
- High flowability and accuracy of wash materials
- Putty and wash materials with the same catalyst (one for Zetaplus System and one for Zetaflow System)



Zetaplus - Oranwash



Zetaplus - Oranwash



Zetaflow Putty - Light



Product	Delivery system	Viscosity	Recommended technique	Recommended application		Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
				Fixed	Removable				
Zetaplus	Manual mixing	Putty	Double step impression	●		Normal Set	1:15	3:15	4:30
Zetaplus Soft	Manual mixing	Putty	Double step impression	●		Normal Set	1:15	3:15	4:30
Thixoflex M	Manual mixing	Medium	Monophase impression Double step impression	●	●	Normal Set	2:00	3:30	5:30
Oranwash L	Manual mixing	Light	Double step impression	●		Normal Set	1:30	3:30	5:00
Oranwash VL	Manual mixing	Extra Light	Double step impression	●		Normal Set	1:30	3:30	5:00
Zetaflow Putty	Manual mixing	Putty	Double step impression	●		Normal Set	1:15	3:15	4:30
Zetaflow Light	Manual mixing	Extra Light	Double step impression	●		Normal Set	2:00	3:30	5:30

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)
Zetaplus	Type 0 Putty Consistency	2 - 5 %	> 98 %	< 0.2 %
Zetaplus Soft	Type 0 Putty Consistency	2 - 5 %	> 98 %	< 0.2 %
Thixoflex M	Type 3 Light-Bodied Consistency	2 - 8 %	> 99 %	< 0.7 %
Oranwash L	Type 3 Light-Bodied Consistency	2 - 8 %	> 99 %	< 0.7 %
Oranwash VL	Type 3 Light-Bodied Consistency	2 - 8 %	> 99 %	< 0.7 %
Zetaflow Putty	Type 0 Putty Consistency	2 - 5 %	> 98 %	≤ 0.2 %
Zetaflow Light	Type 3 Light-Bodied Consistency	2 - 8 %	> 99 %	≤ 0.7 %





## Zetaplus - Very high viscosity C-Silicone

Code	Setting time	Packaging
C100600	Normal Set	Standard Pack: 1 tub 900 ml (1.53 kg)
C100312	Normal Set	Standard Pack: 1 tub 1800 ml (3 kg)
C100468	Normal Set	Standard Pack: 1 tub 10 kg
C100720	Normal Set	Zetaplus L Trial Kit: Zetaplus 200 ml + Oranwash L 40 ml + Indurent Gel 60 ml + mixing block (20 sheets)
C100730	Normal Set	Zetaplus L Intro Kit: Zetaplus 900 ml + Oranwash L 140 ml + Indurent Gel 60 ml + mixing block (20 sheets)



## Zetaplus Soft - Very high viscosity C-Silicone

Code	Setting time	Packaging
C100610	Normal Set	Standard Pack: 1 tub 900 ml (1.53 kg)
C100740	Normal Set	Zetaplus VL Intro Kit: Zetaplus Soft 900 ml + Oranwash VL 140 ml + Indurent Gel 60 ml + mixing block (20 sheets)



## Thixoflex M - Medium viscosity C-Silicone

Code	Setting time	Packaging
C100670	Normal Set	Standard Pack: 1 tube 140 ml



## Oranwash L - Low viscosity C-Silicone

Code	Setting time	Packaging
C100660	Normal Set	Standard Pack: 1 tube 140 ml
C100720	Normal Set	Zetaplus Oranwash L Trial Kit: Zetaplus 200 ml + Oranwash L 40 ml + Indurent Gel 60 ml + mixing block (20 sheets)





### Oranwash VL - Low viscosity C-Silicone

Code	Setting time	Packaging
C100650	Normal Set	Standard Pack: 1 tube 140 ml
C100740	Normal Set	Zetaplus VL Intro Kit: Zetaplus Soft 900 ml + Oranwash VL 140 ml + Indurent Gel 60 ml + mixing block (20 sheets)



### Zetaflow Putty - Very high viscosity C-Silicone

Code	Setting time	Packaging
C100800	Normal Set	Standard Pack: 1 tub 900 ml (1.53 kg)
C100850	Normal Set	Zetaflow Intro Kit: Zetaflow Putty 900 ml + Zetaflow Light 140 ml + Zetaflow Catalyst 60 ml + mixing block (20 sheets)



### Zetaflow Light - Low viscosity C-Silicone

Code	Setting time	Packaging
C100810	Normal Set	Standard Pack: 1 tube 140 ml
C100850	Normal Set	Zetaflow Intro Kit: Zetaflow Putty 900 ml + Zetaflow Light 140 ml + Zetaflow Catalyst 60 ml + mixing block (20 sheets)



### Catalysts

#### Indurent Gel - Gel catalyst for C-Silicones

Code	In combination with	Packaging
C100700	Zetaplus System	1 tube 60 ml



#### Zetaflow Catalyst - Specific gel catalyst for Zetaflow

Code	In combination with	Packaging
C100890	Zetaflow System	1 tube 60 ml



For the mechanical mixing of the fluid materials we recommend to use Alghamix II with the appropriate mixing disk with dosing scale. More details on page 128

# Orthogum

C-Silicone for orthodontics

Impression systems / Master impression

**Orthogum** is a special very high viscosity and fast setting silicone, specially designed for impression taking in orthodontics.

It is characterized by a high elasticity and a pleasing chewing-gum scent which allows emetic reflex reduction, for an impression taking that reduces stress for the operator and that it is much more comfortable especially for patients in the paediatric age.

## Characteristics

- Fast setting
- High elasticity
- High tear resistance

## Advantages

- Precise impressions in the presence of fixed orthodontic appliances
- Fast and easy mixing with the gel catalyst
- Good dimensional stability and possibility of casting the model within a maximum time of 72 hours
- Possibility of obtaining several models with the same impression
- Pleasant scent



Orthogum



Product	Delivery system	Viscosity	Recommended technique	Recommended application	Type of setting	Working time* (min:s)	Time in mouth* (min:s)	Setting time* (min:s)
Orthogum	Manual mixing	Putty	Single impression technique	Fixed orthodontic appliances	Normal Set	1:00	1:30	2:30

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

Product	ISO 4823	Strain in compression	Elastic recovery	Linear dimensional change (after 24 h)
Orthogum	Type 0 Putty Consistency	2 - 5 %	> 99 %	< 0.35 %

### Orthogum - Very high viscosity C-Silicone specific for orthodontics

Code	Packaging
C100550	Standard Pack: 1 tub 1500 ml (2.46 kg)

### Indurent Gel - Gel catalyst for C-Silicones

Code	Packaging
C100700	Standard Pack: 1 tube 60 ml



Code C207201



Mixing pad (15 sheets)

Code C207200



Spatula for silicones

Code D510010



Putty cut

More accessories on page 123.



## Impression systems

# Transparent matrix

Elite Glass is the addition silicone recommended for the construction of highly transparent matrices that allows to resolve multiple imperfections with excellent aesthetic results. It is used in the most modern therapeutic protocols. For sophisticated services it is suitable for an aesthetic restoration that satisfies every patient, even the most demanding.

### A-SILICONE

**Elite Glass** ..... 54

# Elite Glass

A-Silicone

Impression systems / Transparent matrix

**Elite glass** is an addition silicone specific for the creation of transparent matrices for aesthetic reconstructions in light-curing composite, with direct technique and indirect technique.

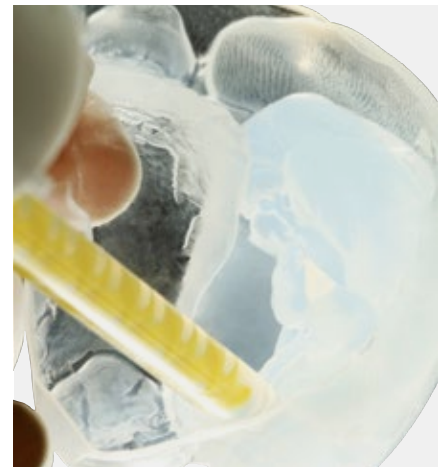
Its high transparency and correct processing time make it particularly effective for dischromy, diastemia, fractures, rotation, conoids and other types of dental malformations.

## Characteristics

- Precise because dimensionally stable over time and after disinfection
- High final hardness (70 Shore A)
- Easily repositionable in mouth once polymerized
- After polymerization can be finished with cutters or other sharp tools

## Advantages

- High transparency of the material
- Excellent photopolymerization of the composite used for restoration
- High quality standards of the aesthetic restoration
- Versatility of use



Elite Glass



Elite Glass

Product	Delivery system	Recommended technique	Viscosity	Recommended applications	Type of setting	Working time* (min:s)	Setting time* (min:s)	Detail reproduction	Linear dimensional change (after 24 h)	Hardness (Shore A)
Elite Glass	1:1 dispenser	Monophase impression	Medium	Transparent matrices for veneering	Fast	0:40	2:10	20 µm	0.18 %	70

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

## A-Silicone for transparent matrices



Code	Packaging
C401610	Standard Pack: 2 x 50 ml cartridges + 6 mixing tips green



Code C202080



Green mixing tips (48 pcs)

Code C202100



D2 Dispenser 1:1





## Impression systems

# Bite registration

The exact reproduction of the occlusal plane between the arches is essential for the correct execution of a prosthetic product. A perfect impression is not enough as you also need a complete reproduction of the bite. This can be obtained by using materials which are remarkable by their high ease of use and fidelity in bite registration thanks to their hardness, with the advantage of having a consistency that is imperceptible to the patient.

Because of their versatility, they are used in the occlusal registration in fixed or removable prostheses, from standard applications to special applications. The Zhermack range of bite registration products also offers materials for bite registrations that are compatible with most optical reading CAD-CAM systems.

### A-SILICONES FOR BITE REGISTRATION

<b>Occlufast+</b> .....	58
<b>Occlufast+ Color</b> .....	58
<b>Occlufast Rock</b> .....	60
<b>Occlufast CAD</b> .....	60
<b>Colorbite D</b> .....	60
<b>Colorbite Rock</b> .....	60

# Occlufast+ | Occlufast+ Color

A-Silicones

Impression systems / Bite registration

**Occlufast+** is a high final hardness addition silicone developed to achieve an accurate and reliable bite registration.

**Occlufast+** is also available in a thermochromic version that changes color according to the temperature. The color change indicates the completed setting of the material offering a visual guide to the dentist in order to minimize the risk of errors.

## Characteristics

- Imperceptible consistency<sup>1</sup>
- High final hardness (37±5 Shore D)
- Short intraoral time
- Thixotropic
- Yellow mixing tips
- High dimensional stability (up to 2 weeks)

## Advantages

- The imperceptible consistency, that allows to not interfere with the occlusion, helps to ensure a precise and reliable result
- The high final hardness makes occlusal registration resistant to compression
- Short intraoral time makes the process faster ensuring greater comfort to the patient
- The use of the yellow mixing tip allows a saving of material at each use if compared with other tips\*



Occlufast+



Occlufast+ Color

Bite registration materials	Delivery system	Working time** (min:s)	Time in mouth** (min:s)	Scent	Thermochromic	Detail reproduction	Linear dimensional change (after 24 h)	Hardness
Occlufast+	1:1 dispenser	0:30	1:00	Mangustan		20 µm	0.20 %	37±5 Shore D
Occlufast+ Color	1:1 dispenser	0:30	1:00	Lime	●	20 µm	0.20 %	37±5 Shore D

\* Zhermack internal tests

\*\* The times mentioned must be intended at 35° C – 95° F

<sup>1</sup> N. Mobilio & S. Catapano, *Effect of experimental jaw muscle pain on occlusal contacts*, Journal of Oral Rehabilitation, 2011.

# Occlufast+ | Occlufast+ Color

Codes



Impression systems / Bite registration



## Occlufast+ - A-Silicone for bite registration

Code	Packaging
C200791	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips yellow
C200792	Eco Pack: 8 x 50 ml cartridges
C200790	50 ml cartridge + 6 mixing tips yellow



## Occlufast+ Color - Thermochromic A-Silicone for bite registration

Code	Packaging
C200781	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips yellow
C200782	Eco Pack: 8 x 50 ml cartridges
C200780	50 ml cartridge + 6 mixing tips yellow



GREEN at room temperature | YELLOW at 35 °C in the mouth

## ACCESSORIES

Code C202070



Yellow mixing tips (48 pcs)

Code C202100



D2 Dispenser 1:1

**Occlufast** and **Colorbite** are specific A-Silicones for bite registration. Their consistency is imperceptible to the patient, they have a high hardness that allows an easy milling and avoids compressions and incorrect repositioning.

They are easy to place and very precise, and are particularly indicated for bite registrations of maximum intercuspation, intermaxillary centric, protrusion or lateral registration keys. They also provide a valid solution for gnathologic evaluations and for the diagnosis of skull-cervico-mandibular disorders and for the centric occlusion in orthodontics.

Colorbite D and Colorbite Rock are thermochromic addition silicones that change colour according to the temperature and indicate when setting time is complete to minimize the possibility of error.

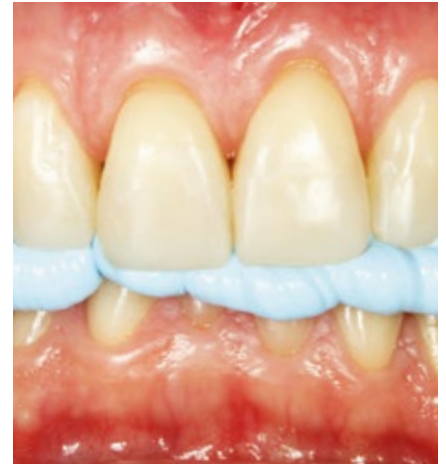
## Occlufast

### Characteristics

- Imperceptible consistency
- Minimum permanence in the oral cavity
- Thixotropic: allows you to easily control the positioning on the occlusal plane
- High final hardness (95 Shore A)

### Advantages

- Imperceptible to the patient who closes in a natural way
- Easy handling and bubble-free thanks to the cartridge mixing
- Accurate and stable impressions
- Positioning control
- Flowable to avoid pressure and slipping during positioning
- High dimensional stability
- Does not need to be heated for use like wax (greater comfort for the patient)
- Occlufast CAD is compatible with optical reading, laser and tactile CAD-CAM scanners



Occlufast CAD



Occlufast Rock



Occlufast Rock



## Colorbite

### Characteristics

- Thermo-chromic: a technology which uses temperature-sensitive pigments
- Can be repositioned for a check after setting
- Easy to finish
- Colorbite Rock: raspberry scent, purple color at 23 °C (73 °F) and pink over 30 °C (86 °F)
- Colorbite D: lime scent, green color at 23 °C (73 °F) and yellow over 30 °C (86 °F)
- Quick setting in the oral cavity



Colorbite D

### Advantages

- Colorbite D: extremely rigid and hard (45 Shore D)
- Imperceptible to the patient who closes in a natural way
- The thermo-chromic pigments indicate the completed setting and allow you to visually check the various phases, thus minimizing the possibility of error
- Easy to position
- High dimensional stability
- Does not need to be heated for use like wax (greater comfort for the patient)
- Visible control of the various steps



Colorbite Rock

Bite registration materials	Delivery system	Working time* (min:s)	Time in mouth* (min:s)	Scent	Thermo-chromic	Scannable	Detail reproduction	Linear dimensional change (after 24 h)	Hardness
Occlufast Rock	1:1 dispenser	0:30	0:60				20 µm	0.05 %	95 Shore A
Occlufast CAD	1:1 dispenser	0:30	0:60			Compatible with most CAD/CAM systems present on the market	20 µm	0.05 %	95 Shore A
Colorbite D	1:1 dispenser	0:30	0:60	Lime	●		20 µm	0.05 %	45 Shore D
Colorbite Rock	1:1 dispenser	0:30	0:45	Raspberry	●		20 µm	0.05 %	95 Shore A

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



## Occlufast Rock - A-Silicone for bite registration

Code	Packaging
C200726	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips green



## Occlufast CAD - A-Silicone for bite registration

Code	Packaging
C200800	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips green



## Colorbite D - Thermochromic A-Silicone for bite registration

Code	Packaging
C200750	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips green

GREEN at room temperature | YELLOW at 35 °C in the mouth



## Colorbite Rock - Thermochromic A-Silicone for bite registration

Code	Packaging
C200760	Standard Pack: 2 x 50 ml cartridges + 12 mixing tips green

PURPLE at room temperature | PINK at 35 °C in the mouth



Code C202080



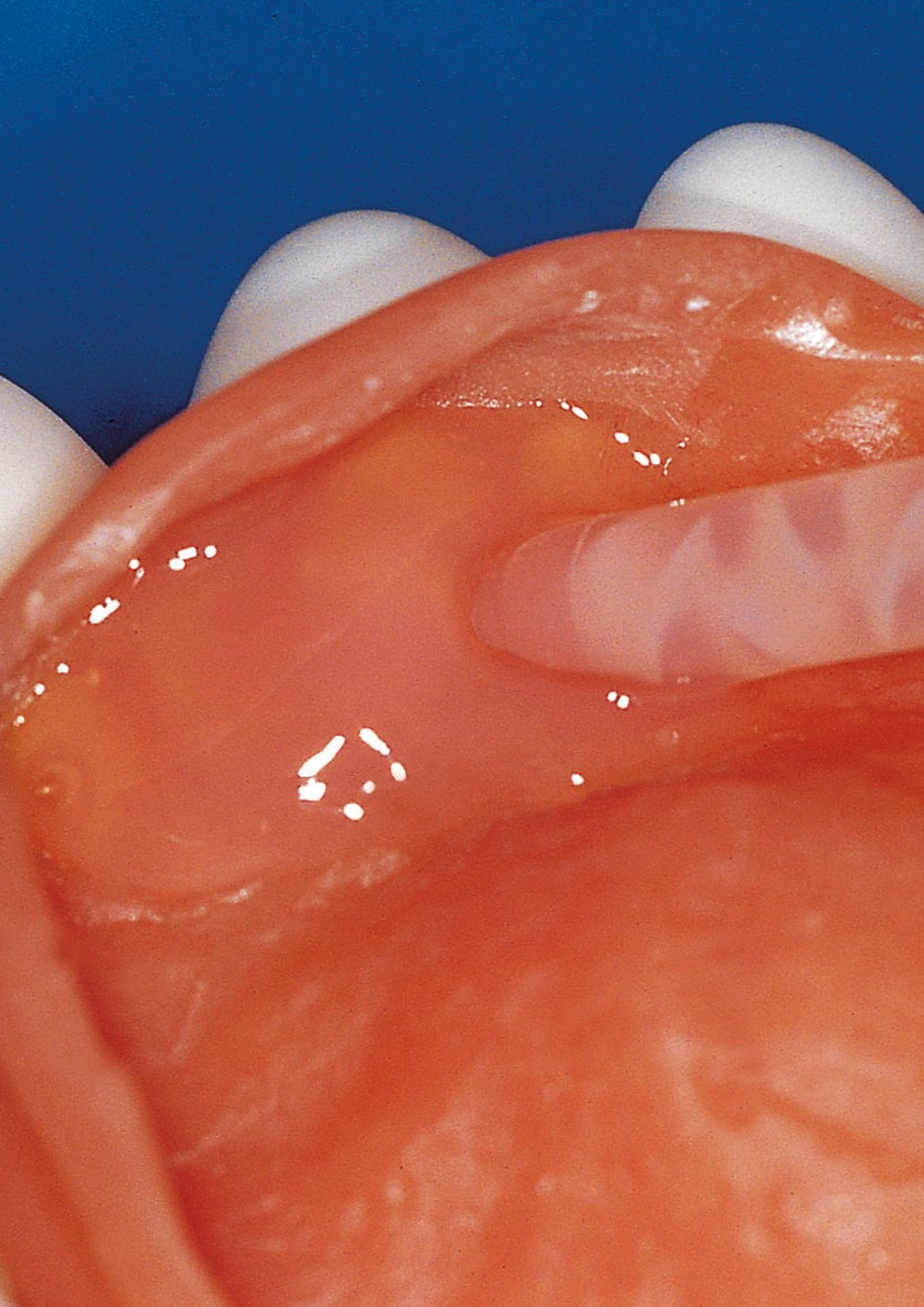
Green mixing tips (48 pcs)

Code C202100



D2 Dispenser 1:1





## Impression systems

# Relining

For a correct adaptation of the prosthesis to the concerned mucosa, to maintain its stability and preserve its oral functionality, Zhermack proposes the Elite Relining materials.

They are easy to use and provide immediate relief to the patient in a single appointment, save chair time and have long-term results. They have an ideal consistency, a neutral flavour and the pink colour is providing pleasing aesthetics.

### A-SILICONE FOR RELINING

**Elite Soft Relining** ..... 66

### RESIN FOR RELINING

**Elite Hard Relining** ..... 67

# Elite Soft Relining

A-Silicone for relining

Impression systems / Relining

**Elite Soft Relining** is an A-Silicone for the preparation of soft relining on complete, partial or rehabilitation prostheses.

Easy to use, it is particularly indicated for direct application in the dental practice as well as in the laboratory.

## Characteristics

- 1:1 Mixing ratio
- Excellent bonding to prosthetic base with Zhermack Elite Relining Primer special adhesive
- In order to obtain smooth and stable edges, use the special Zhermack Varnish A+B on the margins
- Odourless and tasteless
- Pink Colour

## Advantages

- Ease of use
- Elastic memory to make the prosthesis more stable
- It permits masticatory load absorption
- Suitable for direct use in the practice and for indirect use in the laboratory
- Chair time saving and immediate comfort for the patient



Product	Working time* (min:s)	Trimming time* (direct method) (min:s)	Time in mouth* (direct method) (min:s)	Elastic recovery	Linear dimensional change (after 24 h)	Hardness (Shore A)
Elite Soft Relining	0:60	0:60	5:00	99.9 %	< 0.2 %	35

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

## Elite Soft Relining - A-Silicone for relining

Code	Packaging
C700100	Standard Pack: 1 cartridge 50 ml + 6 mixing tips yellow + 1 Primer 4 ml + 1 Varnish A 5 ml + 1 Varnish B 5 ml + 1 finishing bur + 1 mixing plate + 1 brush handle + 12 brushes
C700130	Refill: 1 cartridge 50 ml + 6 mixing tips yellow
C700140	1 bottle, Primer 4 ml
C202070	Mixing tips yellow (48 pcs)
C202100	D2 Dispenser 1:1



# Elite Hard Relining

Resin for relining

Impression systems / Relining

**Elite Hard Relining** is a rigid and self-curing resin for direct relining in the dental practice of complete or partial dentures.

## Characteristics

- Easy and fast working
- Odourless and tasteless
- Pink colour

## Advantages

- Highly tolerable by the patient
- Develops low temperatures during polymerization
- The colour does not interfere with the existing prosthetic base



Product	Powder/liquid mixing ratio	Curing time* (min:s)	Water absorption	Water solubility
Elite Hard Relining	2.35 g / 1.5 ml	30:00	max 32 µg/mm <sup>3</sup>	max 8 µg/mm <sup>3</sup>

\* In water at 50-60 °C / 122-140 °F

## Elite Hard Relining - Relining resin



Code	Packaging
C710080	Standard Pack: 1 Powder 60 g + 1 Liquid 40 ml + 1 Primer 10 ml



## Impression systems

# Accessories

To meet the needs of dental professionals, Zhermack offers everything needed for taking an impression. Completing the wide range of impression materials is a series of accessories specifically designed to improve the quality of impression taking.

A wide range of specific impression trays according to the needs of the clinical case: fixed prosthesis - metal and plastic - and for removable prostheses - rigid plastic. In addition when it is necessary to have a custom tray, the light-curing resins are available. An adhesive to increase the adherence between the tray and the material. A wide range of retraction cords to correctly prepare the gingival margin. Solutions developed to increase the productivity of the dental practice.

### IMPRESSION TRAYS

<b>Hi-Tray Metal</b> .....	70
<b>Hi-Tray Light Clear</b> .....	71
<b>Hi-Tray Light Plastic</b> .....	72
<b>Hi-Tray Light Edentulous</b> .....	73
<b>Hi-Tray Dual Light Arch</b> .....	74

### CUSTOM IMPRESSION TRAYS

<b>Elite LC Tray</b> .....	75
<b>Elite LC Tray ROUND</b> .....	75

### GINGIVAL DISPLACEMENT

<b>Elite Cord</b> .....	76
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### ADHESIVE FOR TRAYS

<b>Universal Tray Adhesive</b> .....	77
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# Hi-Tray Metal

Metal impression trays

Impression systems / Accessories

Zhermack offers a wide range of impression trays for fixed prosthesis, in metal and in plastic, and for removable prosthesis, in rigid plastic. The Zhermack range of impression trays is also suitable for many uses such as models in the practice, bruxism bites, whitening masks, sports masks for bites, impressions for custom impression trays, preliminary impressions, impressions for in-lay and on-lay, etc.

The **Hi-Tray Metal** are BSA stainless steel trays with 16.70 % chrome for standard applications.

## Characteristics

- Can be sterilized in a cold solution or in autoclave
- Available in two versions: solid and perforated

## Advantages

- High deformation resistance
- Greater precision of the impression
- Rim Lock anchoring system for a perfect adhesion of the material to the impression tray
- Excellent finishing
- Soldering point accuracy
- Durability

Single packaging in the solid impression tray version:

Size	1	2	3	4	5
Upper	D51SS	D52SS	D53SS	D54SS	D55SS
Lower	D51IS	D52IS	D53IS	D54IS	D55IS

Single packaging in the perforated impression tray version:

Size	1	2	3	4	5
Upper	D51SP	D52SP	D53SP	D54SP	D55SP
Lower	D51IP	D52IP	D53IP	D54IP	D55IP

Kit pack: 1 kit contains 5 upper trays and 5 lower trays

D5K10S	solid
D5K10P	perforated

Kit pack: 1 kit contains 4 upper trays and 4 lower trays

D5K08S	solid
D5K08P	perforated



Hi-Tray Metal perforated upper



Hi-Tray Metal solid upper



Hi-Tray Metal perforated lower



Hi-Tray Metal solid lower

# Hi-Tray Light Clear

Impression trays in clear plastic

Impression systems / Accessories

The **Hi-Tray Light Clear** are clear plastic impression trays for standard applications or for applications with light-curing materials.

## Characteristics

- Made in clear plastic
- Available in the following versions:
  - Small upper and lower
  - Medium upper and lower
  - Large upper and lower

## Advantages

- Transparent
- Disposable
- Autoclavable
- Rigid
- Perforated design for improved mechanical retention
- Reinforced grip with ribbing for a better distribution of the pressure exerted

Standard packs 12 pieces available in the following versions:

Size	Small	Medium	Large
Upper	D5CSUP	D5CMUP	D5CLUP
Lower	D5CSLO	D5CMLO	D5CLLO



Hi-Tray Light Clear upper



Hi-Tray Light Clear lower



# Hi-Tray Light Plastic

Impression trays in plastic

Impression systems / Accessories

The **Hi-Tray Light Plastic** are impression trays in grey rigid plastic for standard applications.

## Characteristics

- Constructed in grey rigid plastic
- Available in the following versions:
  - Small upper and lower
  - Medium upper and lower
  - Large upper and lower

## Advantages

- Adaptable
- Disposable
- Rigid
- Perforated design for improved mechanical retention
- Reinforced grip with ribbing for a better distribution of the pressure exerted

Standard packs 12 pieces available in the following versions:

Size	Small	Medium	Large
Upper	D5GSUP	D5GMUP	D5GLUP
Lower	D5GSLO	D5GMLO	D5GLLO



Hi-Tray Light Plastic upper



Hi-Tray Light Plastic lower

# Hi-Tray Light Edentulous

Impression trays in plastic

Impression systems / Accessories

The **Hi-Tray Edentulous** are impression trays in green rigid plastic for edentulous applications.

## Characteristics

- Constructed in green rigid plastic
- Available in the following versions:
  - Small upper and lower
  - Medium upper and lower
  - Large upper and lower

## Advantages

- Disposable
- Adaptable
- Rigid
- Perforated design for improved mechanical retention

Standard packs 12 pieces available in the following versions:

Size	Small	Medium	Large
Upper	D5ESUP	D5EMUP	D5ELUP
Lower	D5ESLO	D5EMLO	D5ELLO



Hi-Tray Light Edentulous upper



Hi-Tray Light Edentulous lower

# Hi-Tray Light Dual Arch

Impression trays in plastic

Impression systems / Accessories

The **Hi-Tray Light Dual Arch** are impression trays in plastic for the dual arch technique in fixed prostheses.

## Characteristics

- Plastic structure, of various colors
- Disposable
- Support webbing in white plastic
- Available in 5 types:
  - Full arch
  - Anterior
  - Quadrant
  - Posterior
  - Wide body posterior

## Advantages

- The support webbing lets silicone through to form a single body between the upper and lower impressions
- The thickness of the support webbing is imperceptible to the patient (avoiding alterations during bite registration)
- Clear plastic lets you view the correct position of the impression tray on the preparation



## Hi-Tray Light Dual Arch

Code	Packaging
D5DANT	Hi-Tray Light Dual Arch anterior 30 pcs
D5DFUL	Hi-Tray Light Dual Arch full arch 30 pcs
D5DPLE	Hi-Tray Light Dual Arch posterior sideless 48 pcs
D5DPOS	Hi-Tray Light Dual Arch posterior 48 pcs
D5DQUA	Hi-Tray Light Dual Arch quadrant 40 pcs

# Elite LC Tray | Elite LC Tray ROUND

Light-curing resins

Impression systems / Accessories

**Elite LC Tray** is the line of light-curing resin plates for making custom impression trays and removable prosthesis modeling.

Easy and quick to use, it meets the needs of the dental practice by optimising working times without compromising on quality.

## Characteristics

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

## Advantages

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



Elite LC Tray ROUND



Elite LC Tray

Product	Curing 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 plates for individual trays

Code	Packaging
D500011	Elite LC Tray White (50 pcs)
D500021	Elite LC Tray Pink (50 pcs)
D500031	Elite LC Tray Blue (50 pcs)

### Elite LC Tray ROUND - Light-curing resin plates for individual trays

Code	Packaging
D500050	Elite LC Tray ROUND White (50 pcs)
D500052	Elite LC Tray ROUND Pink (50 pcs)

# Elite Cord

Gingival displacement

Impression systems / Accessories

**Elite Cord** is recommended for gingival displacement before impression taking in fixed prostheses; before adhesive reconstructions and/or restorations and in operations near the marginal tissues (for example, preparation of the sub-gingival margins).

## Characteristics

- Non-impregnated cord
- Made from 100 % cotton fibre
- Interlinked knitted structure
- Each bottle contains 275 cm of cord
- Available in five thicknesses identified by different colours:
  - # 000 size (black)
  - # 00 size (yellow/black)
  - # 0 size (purple/white)
  - # 1 size (blue/white)
  - # 2 size (green/white)
- Compatible with all types of commercially available haemostatic solution

## Advantages

- Easy and quick to position in the gingival sulcus thanks to its interlinked structure and high dimensional stability
- Optimal gingival displacement without trauma, thanks to the light but constant elastic pressure applied on the gingival tissue
- Effective control of the flow of fluid in the sulcus, thanks to the highly absorbent power of the 100 % cotton fibre
- Wide range of thicknesses, enabling the required gingival displacement to be obtained with all gum types



Elite Cord



Elite Cord



Code	Packaging
C610000	Elite Cord # 000 (1 x 275 cm)
C610010	Elite Cord # 00 (1 x 275 cm)
C610020	Elite Cord # 0 (1 x 275 cm)
C610030	Elite Cord # 1 (1 x 275 cm)
C610040	Elite Cord # 2 (1 x 275 cm)
C610001	Elite Cord kit # 000 (5 x 275 cm)
C610011	Elite Cord kit # 00 (5 x 275 cm)
C610021	Elite Cord kit # 0 (5 x 275 cm)
C610031	Elite Cord kit # 1 (5 x 275 cm)

# Universal Tray Adhesive

Adhesive for A-Silicones

Impression systems / Accessories

**Universal Tray Adhesive** is a specific adhesive for A-Silicones.

## Characteristics

- Easy brushing adhesive
- Blue colour

## Advantages

- Excellent bonding to metal trays
- Does not create thickness
- Fast solvent evaporation



### Universal Tray Adhesive



Code	Packaging
C700025	10 ml bottle

# Impression systems

Complementary products



## Gloves

Safemix - page 116



## Impressions disinfection

Zeta 7 Spray - page 108  
Zeta 7 Solution - page 108



## Cleaners for alginates and gypsum

Algitray - page 110  
Gypstray - page 110



## Model casting

Gypsum - page 136



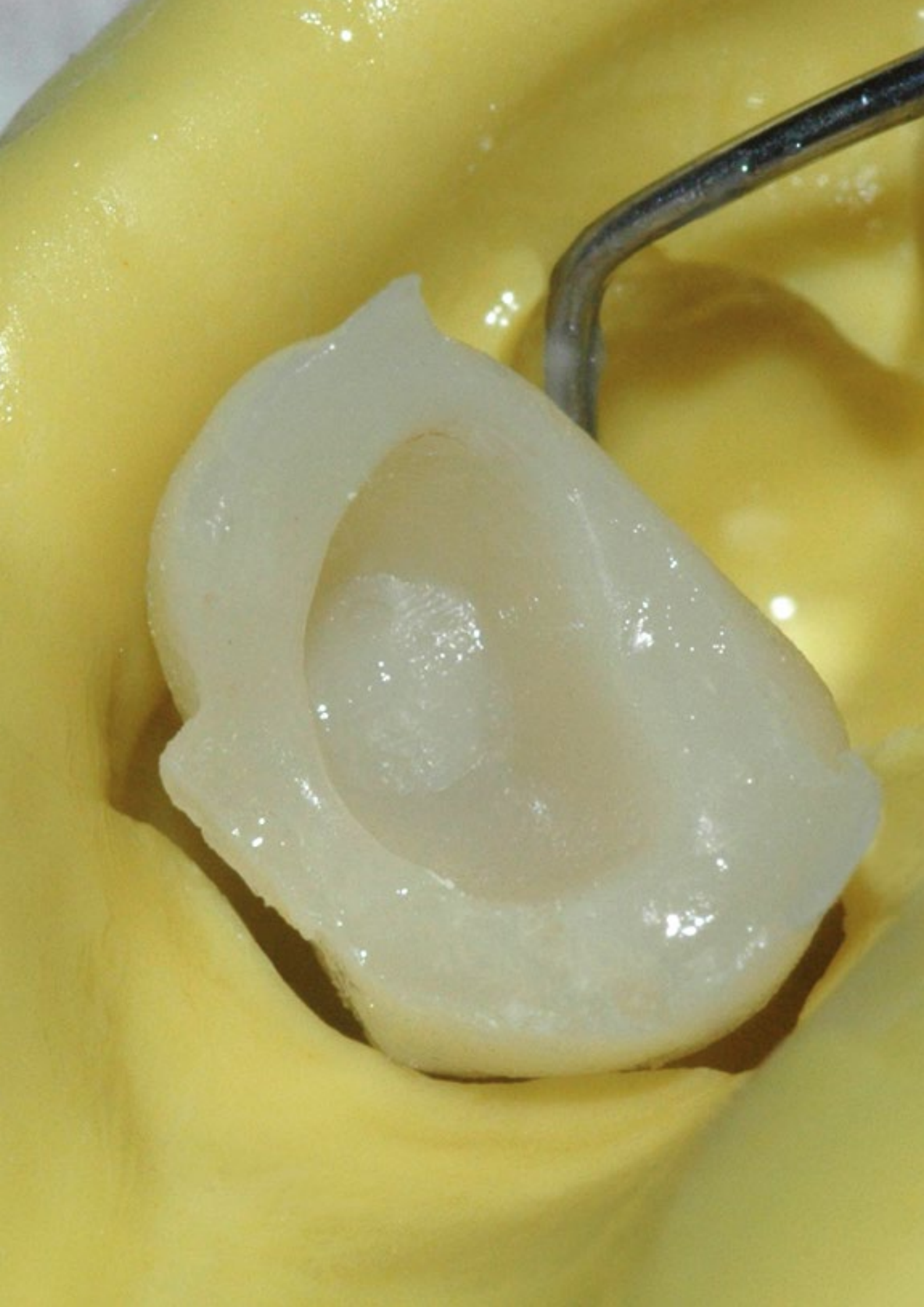




# Restorative

The preservation of natural teeth and the research of an aesthetic solution are the most important needs for patients. Improving your smile implies specific aesthetic and functional requirements which Zhermack meets with bisacrylic self-curing resins for temporary restorations and universal light-curing composites.

High quality materials, that fulfil the expectations of the patient and the professional.



**Restorative**

# Temporary restorations

Acrytemp is the ideal choice to make provisional crowns and bridges, onlays, inlays and veneers, in an easy and fast way, with a high aesthetic impact. It is available in self-mixing cartridges, for a correct and fast application.

Its formula without methyl methacrylate monomer and the low temperature increase during setting, ensure a greater comfort for the patient and preserve tooth vitality.

## **BISACRYLIC SELF-CURING RESIN**

**Acrytemp** ..... 84

# Acrytemp

Bisacrylic self-curing resin

Restorative / Temporary restorations

**Acrytemp** is a bisacrylic self-curing resin for the fast preparation of short and long-term provisional elements.

**Acrytemp** can be used with different working techniques, both for direct and indirect method.

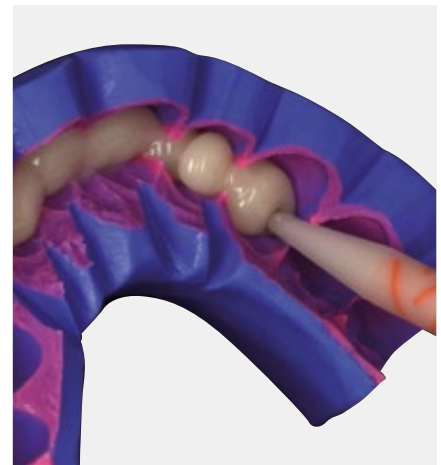
It is practical to use, thanks to the self-mixing system, easy to trim and polish, with a high fracture resistance. Its particular formulation is without methyl methacrylate monomer and allows to maintain low temperatures during the setting reaction that does not irritate the pulp. Acrytemp is available in 5 shades and offers a natural aesthetic effect that reproduces the colour of teeth, to meet the needs of the patients and of the dentist.

## Characteristics

- High fracture resistance
- Methyl methacrylate monomer free
- Low temperature increase during the setting reaction
- The colourings A1; A2; A3; A3.5; B1 allow to meet the most common clinical situations
- Natural fluorescence
- Self-mixing system in 50 ml (4:1) cartridge for an optimal dosage and time saving

## Advantages

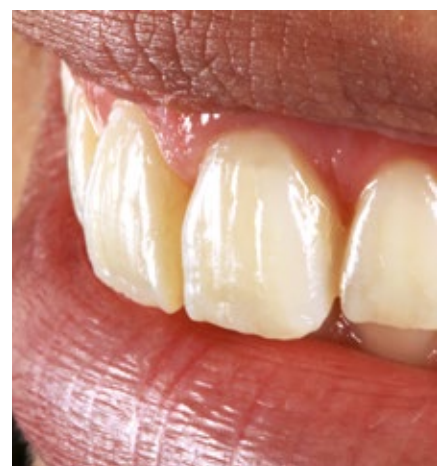
- Easy handling
- Can be easily trimmed and polished
- Respects the pulp, due to low exothermic setting reaction
- No irritations
- Natural aesthetics effect of the finished provisional elements



Acrytemp



Acrytemp



Acrytemp



Product	Recommended applications	Working time (min:s)	Elastic phase from application (min:s)	Setting time (min:s)	Compressive strength	Flexural strength
<b>Acrytemp</b>	Temporary crowns and bridges, inlays, onlays and veneers	0:50	1:00 - 2:00 (35 °C) 3:00 - 4:00 (23 °C)	4:30 (45 - 55 °C) 6:00 (23 °C)	250 MPa	65 MPa



### 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



### ACCESSORIES





Restorative

# Permanent restorations

For the preservation of tooth structure, and to limit the preparation of the cavities to the single damaged area, Zhermack offers the Zmack system, a line of universal light-curing composites.

To combine functionality and aesthetics and give patients of all ages their smile back, without compromising the efficiency needs of the dental practice.

## SOLUTIONS FOR RESTORATIONS

<b>Zmack Bond</b> .....	88
<b>Zmack Comp</b> .....	88
<b>Zmack Etch</b> .....	88
<b>Zmack Flow</b> .....	88



The **Zmack** system offers universal light-curing composites for permanent restorations, that are used in the restoration of cavities of all classes (I, II, III, IV, V).

**Zmack** is indicated for the restoration of the anterior and posterior areas, for aesthetic restorations, for closing diastemas and for coronal lengthening. It is also possible to use the system for indirect restorations (inlays and onlays) and for veneer construction using direct techniques.

The Zmack System consists of: **Zmack Etch**, an etching gel; **Zmack Bond**, a self-priming adhesive; **Zmack Flow**, a flowable micro-hybrid composite and **Zmack Comp**, a universal micro-hybrid composite. Zmack Flow and Comp are available in a multi shade range for the ideal camouflage. Thanks to its physical properties, Zmack allows high level restorations in terms of quality, performance and aesthetics. The range to choose from, according to the specific clinical indication, represents a valid aid to the dentist and the secret behind the smile of each patient.

### Zmack System is characterized by:

- Smart colours that mimetically blends with the surrounding tooth structure
- Polishes to match natural lustre of enamel
- Shades match to the VITA® guide
- Smart consistency, for an easier job
- Creamy formula, not sticky nor slumpy
- Self micro-leveling behavior

### Zmack Comp satisfies the clinicians requirements with:

- ideal camouflage with the hard tissue of the tooth, thanks to the selected range of eight body shades plus two opaque shades for layering techniques;
- precise & easier job, thanks to the ideal consistency, Zmack Comp perfectly and effortlessly adapts to the margins without slumping;
- universal and functional results, thanks to the micro-hybrid multi-purpose formula. The high mechanical properties make Zmack Comp ideal for both anterior and posterior teeth.

### Zmack Flow is used in direct restorations of conservative class I, III and V or as a liner and offers:

- smart flowability: great fluidity with self leveling behavior that allows a quick and easy filling and levelling of irregular cavities floors and small cavities and adaptable to cavity walls without use of hand instruments;
- smart colours: shades camouflage with surrounding tooth structure for natural looking results.



Zmack Flow



Zmack Comp



Finished restoration

**Zmack Bond** ensures adhesion of all the components for reliable long-lasting results. Unlike other products, Zmack Bond:

- speeds up the working time with a single coat application;
- has the ideal viscosity for homogeneous distribution and penetration without the need for brushing;
- seals the margins, preventing discoloration and restoration failure;
- prevents post-operative sensitivity.

**Zmack Etch** provides controlled safe conditioning of the tooth surface and prepares them for application of the adhesive, with:

- facilitated positioning, thanks to the creamy gel consistency;
- improved visibility with a clear contrasting effect provided by its blue colour;
- reduced risk of over etching, thanks to the ease of washing and contrast with the tissues.



Zmack Bond



Zmack Etch

Product not available in all markets.

Product	Compressive strength	Flexural strength	Flexural modulus	Filler content in weight	Filler content in volume	Barcol hardness	Filler particle size	Polymerization shrinkage	Water absorption	Radio opacity
Zmack Comp	383 MPa	139.9 MPa	10700 MPa	77 %	57 %	75 - 90	< 1.00 µm	2.46 % (v/v)	12.18 ug/mm <sup>3</sup>	2.4 mm Al
Zmack Flow	350 MPa	129 MPa	5452 MPa	61 %	39 %	66	1.41 µm (mean of 1 µm)	4.50 % (v/v)	19.00 ug/mm <sup>3</sup>	1.4 mm Al

Product	Polymerization times (curing light output)	Application	Shades	Layer increment	Curing time (min:s)
Zmack Comp	≥ 500 mW/cm <sup>2</sup>	All classes	A1, A2, A3, A3.5, B1, B2, C3	3 mm	0:20
			A2-O, A3.5-O, B3	2 mm	
Zmack Flow	≥ 500 mW/cm <sup>2</sup>	Direct Restorations Class I, III, V Cavity Liner	A1, A2, A3, A3.5, B1	2 mm	0:20
				1 mm	0:40
Zmack Bond	≥ 550 mW/cm <sup>2</sup>				0:20
	≥ 800 mW/cm <sup>2</sup>				0:10



## Zmack Etch - Etchant gel for tissue conditioning

Code	Packaging
C500131	Syringe 3 ml + 25 applicator needles
C500140	Applicator needles (25 pcs)



## Zmack Bond - Total etch adhesive

Code	Packaging
C500130	Bottle 4.5 ml
C500141	Flocked applicators (50 pcs)



## Zmack Comp - Multi shade range of universal micro-hybrid composites

Code	Colour	Packaging
C500101	A1	Syringe 4 g
C500102	A2	Syringe 4 g
C500103	A3	Syringe 4 g
C500104	A3.5	Syringe 4 g
C500105	A2-O	Syringe 4 g
C500106	A3.5-O	Syringe 4 g
C500110	B1	Syringe 4 g
C500111	B2	Syringe 4 g
C500100		Zmack Kit: Zmack Comp syringes 6 x 4 g (A1, A2, A3, A3.5, B1, B2) + Zmack Bond bottle 5 ml + 50 flocked applicators + Zmack Etch syringe 3 ml + 25 applicator needles



## Zmack Flow - Multi shade range of flowable micro-hybrid composites

Code	Colour	Packaging
C510101	A1	Syringe 1 x 1.3 g + 15 tips
C510102	A2	Syringe 1 x 1.3 g + 15 tips
C510103	A3	Syringe 1 x 1.3 g + 15 tips
C510104	A3.5	Syringe 1 x 1.3 g + 15 tips
C510110	B1	Syringe 1 x 1.3 g + 15 tips
C510140		Flowable applicator tips (15 pcs)









# Hygiene

Cleaning, disinfection and sterilization in a dental practice are a guarantee of protection and safeguarding against infection.

It is therefore essential to choose effective solutions with a broad spectrum of action for the safety of professionals and patients. Products free of toxic substances such as phenols and aldehydes, that do not damage instruments and surfaces, with a quick action and easy to use. Products like the Zeta Hygiene range that arise from Zhermack experience in the field of medical and surgical device disinfection and cold sterilization. Innovative and comprehensive solutions, subject to strict production standards, checked and tested according to the latest European Norms. To offer the required level of protection in your dental practice every day.

## Ordinary, surgical dental instruments and burs disinfection and sterilization

Zeta 1 Ultra

Zeta 2 Enzyme

Zeta 2 Sporex

page 98

page 98

page 98



## Washable surfaces cleaning

Zeta 4 Wash

page 102



## Impressions disinfection

Zeta 7 Spray

Zeta 7 Solution

page 108

page 108





### Medical devices surfaces disinfection and cleaning

Zeta 3 Soft  
Zeta 3 Wipes TOTAL  
Zeta 3 Foam  
Zeta 3 Wipes POP-UP

page 102  
page 102  
page 102  
page 102



### Suction unit disinfection, cleaning and deodorisation

Zeta 5 Power Act

page 106



### Trays and instruments gypsum and alginate removal

Algitray  
Gypstray

page 110  
page 110



### Hand cleaning and hygiene

Zeta 6 Hydra  
Zeta 6 Drygel

page 114  
page 114





## Hygiene

# Instruments and burs

The Zeta Hygiene range offers products with a broad spectrum for the disinfection and sterilization of ordinary, surgical dental instruments and burs.

Leading edge products characterised by high quality standards for working in safety without sacrificing convenience and affordability. Compliant with the latest European Norms on disinfection, respecting both professionals' health, as they are free of harmful substances such as aldehydes and phenols, and instruments as they prevent damage.

<b>Zeta 1 Ultra</b> .....	98
<b>Zeta 2 Enzyme</b> .....	98
<b>Zeta 2 Sporex</b> .....	98

# Zeta 1 | Zeta 2

Ordinary, surgical dental instruments and burs disinfectants and sterilizers

Hygiene / Instruments and burs

**Zeta 1 Ultra** is a concentrated liquid disinfectant and cleaner suitable for ordinary, surgical dental instruments and burs.

**Zeta 2 Enzyme** is a tri-enzymatic disinfectant and cleaner in powder specific for ordinary, surgical instruments and burs.

**Zeta 2 Sporex** is a cold chemical sterilizer and high level disinfectant in powder, specific for dental instruments and particularly recommended for medical devices that cannot be sterilized in an autoclave.

## Characteristics

- Broad spectrum of action according to the latest European Norms validated on disinfection
- High efficiency concentrated formulas
- High compatibility with materials

## Advantages

- **Efficacy:** high protection for professionals and patients
- **Safety:** free from aldehydes and phenols
- **Easy to use:** short time of action and easy dosage thanks to the dosing bottle with dispenser



Zeta 2 Sporex



Zeta 2 Sporex



Zeta 1 Ultra



Zeta 1 Ultra



Zeta 1 Ultra



Product	Type of product	Active ingredients	Dilution	Action time	Distinctive characteristics	Spectrum of action
Zeta 1 Ultra	Disinfectant and cleaner	Alkylamine, Quaternary Ammonium Salts	2 % (wide disinfection)	60 minutes in static bath* or 30 minutes in ultrasonic bath at 35° C	Disinfection and cleaning of instruments and burs	<p><b>STATIC BATH:</b>  <b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae)  <b>Yeasticidal:</b> EN 13624, EN 14562 (C. albicans)  <b>Mycobactericidal, including Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae, M. avium)  <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus, HIV, HBV, HCV, Ebola, Herpes simplex and all human and animal influenza viruses)  * Excluding Fungicidal</p> <p><b>ULTRASONIC BATH:</b>  <b>Bactericidal, Yeasticidal, Fungicidal, Mycobactericidal including Tuberculocidal, Limited virucidal and Virucidal</b>  Tests carried out in dirty conditions.</p>
			1 % (rapid disinfection, with limited spectrum of action)	15 minutes in static bath		
Zeta 2 Enzyme	Disinfectant and cleaner	Active Oxygen, enzymes	2 %	10 minutes	Fast disinfection and enhanced cleaning power thanks to enzymes (protease, amylase and lipase)	<p><b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae)  <b>Yeasticidal:</b> EN 13624, EN 14562 (C. albicans)  <b>Mycobactericidal, including Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae, M. avium)  <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus including HIV, HBV, HCV)  Tests carried out in dirty conditions.</p>
Zeta 2 Sporex	Cleaner, disinfectant and cold chemical and sterilizer	Peracetic Acid	2 %	10 minutes	Fast sterilization	<p><b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae)  <b>Fungicidal:</b> EN 13624, EN 14562 (C. albicans, A. niger)  <b>Mycobactericidal, including Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae, M. avium)  <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus including HIV, HBV, HCV)  <b>Sporicidal:</b> EN 13704 (B. subtilis)  Tests carried out in dirty conditions.</p>



Zeta 2 Enzyme



Zeta 2 Enzyme



Zeta 2 Enzyme



Zhermack  
zeta 3 wipes TOTAL

Specific for surfaces

Aldehydes and phenols free

- > Bactericidal
- > Yeasticidal
- > Tuberculocidal
- > Virucidal

120 wipes | distribuiti per medici dentisti

Modello (REF): CE12063



Zhermack S.p.A. Via S. Eusebio, 100 37021 Bussolengo (Verona) Italy  
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Hygiene

# Surfaces

A wide range of solutions to fulfill the needs of each user. The Zeta 3 line lets you choose between low alcohol content or alcohol-free products, guaranteeing rapid and deep disinfection of surfaces, including the most delicate ones.

Practical to use and free of harmful substances such as aldehydes and phenols. All Zeta 3 line products clean and disinfect in a single step (2 in 1 action), providing high protection and saving time.

<b>Zeta 3 Soft</b> .....	102
<b>Zeta 3 Wipes TOTAL</b> .....	102
<b>Zeta 3 Foam</b> .....	102
<b>Zeta 3 Wipes POP-UP</b> .....	102
<b>Zeta 4 Wash</b> .....	102

# Zeta 3 | Zeta 4

Medical devices surfaces disinfectants and cleaners

Hygiene / Surfaces

**Zeta 3 Soft** is an alcoholic, ready to use disinfectant and cleaner for medical devices surfaces.

**Zeta 3 Wipes TOTAL** are wipes impregnated with an alcoholic solution for the rapid disinfection and cleaning of small medical devices surfaces.

**Zeta 3 Foam** is a ready to use alcohol-free disinfectant and cleaner foam especially recommended for delicate medical devices surfaces.

**Zeta 3 Wipes POP-UP** are large wipes impregnated with reduced alcohol content solution for the rapid disinfection and cleansing of medical devices surfaces including the most delicate ones.

**Zeta 4 Wash** is a concentrated cleaner and deodorant solution for large surfaces.

## Characteristics

- Broad spectrum of action according to the latest European Norms validated on disinfection
- Aldehyde and phenol-free products
- Tested compatibility with surfaces , including the most delicate ones

## Advantages

- **Efficacy:** high protection for professionals and patients
- **Safety:** free from aldehydes and phenols
- **Speed and convenience:** disinfection and cleaning in a single step



Zeta 3 Soft



Zeta 3 Soft



Zeta 3 Wipes TOTAL



Zeta 3 Wipes TOTAL



Zeta 3 Foam



Product	Type of product	Active ingredients	Action time	Applications	Distinctive characteristics	Spectrum of action
<b>Zeta 3 Soft</b>	Disinfectant	Alcohols	1 - 5 minutes	Normal surfaces	Fast, does not leave residue	<b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae) <b>Yeasticidal:</b> EN 13624, EN 14562 (C. albicans) <b>Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae) <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus, Parvovirus including HIV, HBV, HCV)  Tests carried out in dirty conditions.
<b>Zeta 3 Wipes TOTAL</b>	Disinfectant	Alcohols	1 - 5 minutes	Normal surfaces	Practical for small surfaces	<b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae) <b>Yeasticidal:</b> EN 13624, EN 14562 (C. albicans) <b>Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae) <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus, Parvovirus including HIV, HBV, HCV)  Tests carried out in dirty conditions.
<b>Zeta 3 Foam</b>	Disinfectant	Quaternary Ammonium Salts	1 - 5 minutes	Delicate surfaces	Alcohol-free, can be used on all surfaces	<b>Bactericidal:</b> EN 13727, EN 14561 (S. aureus, P. aeruginosa, E. hirae) <b>Yeasticidal:</b> EN 13624, EN 14562 (C. albicans) <b>Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae) <b>Virucidal:</b> EN 14476 (Poliovirus, Adenovirus, Norovirus, Parvovirus including HIV, HBV, HCV)  Tests carried out in dirty conditions.
<b>Zeta 3 Wipes POP-UP</b>	Disinfectant	Quaternary Ammonium Salts	1 - 5 minutes	Delicate surfaces	Large, thick, resistant and dermatologically tested wipes	<b>Bactericidal:</b> EN 13697, EN 1276*, EN 14561*, EN 1451 (MRSA) <b>Fungicidal:</b> EN 13697 (A. niger), EN 14562 (A. fumigatus) <b>Yeasticidal:</b> EN 1650*, EN 13624, EN 13697, EN 14562 (C. albicans) <b>Tuberculocidal:</b> EN 14348, EN 14563 (M. terrae) <b>Virucidal:</b> EN 14476 (HBV, HCV, Adenovirus, Coronavirus, Norovirus, VRS, Polyomavirus, H1N1, Rotavirus), EN 14476* (HSV)  Tests carried out in clean conditions. * Tests carried out in dirty conditions.
<b>Zeta 4 Wash</b>	Cleaner	Cationic and Non-ionic Surfactants < 5 %	1 - 5 minutes	Washable surfaces	Does not leave halos and dries quickly	



Zeta 3 Foam



Zeta 3 Wipes POP-UP



Zeta 3 Wipes POP-UP





Hygiene

# Special applications

Zhermack offers different solutions for specific applications.

## SUCTION UNIT DISINFECTANTS AND CLEANERS

**Zeta 5 Power Act** ..... 106

## IMPRESSIONS DISINFECTANTS

**Zeta 7 Spray** ..... 108

**Zeta 7 Solution** ..... 108

## SOLUTIONS FOR THE REMOVAL OF TRAYS AND INSTRUMENTS ALGINATE AND GYPSUM RESIDUES

**Algitray** ..... 110

**Gypstray** ..... 110

# Zeta 5

Suction unit disinfectants and cleaners

Hygiene / Special applications

For the disinfection and cleaning of suction units.

**Zeta 5 Power Act:** 3-in-1 action allows to disinfect, clean and deodorise the suction tubes of the dental unit with a single product, assuring high protection for the professionals and patients. The special non-foaming and non-aggressive formula allows the normal functionality of the suction tubes, and thus of the dental unit.

**Zeta 5 Power Act** is a concentrated disinfectant and cleaner with a broad spectrum of action that allows to choose between two action times: standard evening disinfection or rapid disinfection in only 15 minutes\*.

## Characteristics

- Broad spectrum of action according to the latest European Norms validated on disinfection
- Non-foaming and non-aggressive formula on aspiration tubes
- Active in presence of organic material
- Tested compatibility with the suction unit components

## Advantages

- **Efficacy:** high protection for professionals and patients
- **Protection:** allows the normal functionality of the suction tubes of the dental unit
- **Easy to use:** short time of action and easy dosage bottle with dispenser and practice single dose

\* Excluding Tuberculocidal action



Zeta 5 Power Act



Zeta 5 Power Act



Zeta 5 Power Act



Zeta 5 Power Act



Zeta 5 Power Act



Product	Type of product	Active ingredients	Dilution	Action time	Distinctive characteristics	Spectrum of action
Zeta 5 Power Act	Disinfectant	Alkylamine, Quaternary Ammonium Salts	1 %	Overnight or 15 minutes*	A three-in-one product for disinfecting, cleaning and deodorising in a single step	<b>Bactericidal:</b> EN13727, EN14561 ( <i>S. aureus</i> , <i>P. aeruginosa</i> , <i>E. hirae</i> ) <b>Yeasticidal:</b> EN13624, EN14562 ( <i>C. albicans</i> ) <b>Tuberculocidal:</b> EN14348 ( <i>M. terrae</i> ) <b>Limited virucidal:</b> DWV/RKI, DVV (non-porous surfaces), prEN16777 towards encapsulated and lipophilic viruses including blood viruses (HIV, HBV, HCV), Herpes simplex and families of virus such as the Orthomyxoviridae (including all human and animal influenza viruses such as H5N1 and H1N1), Filoviridae (ebola virus) and Paramyoviridae (measles virus) Tests carried out in dirty conditions.
			0.5 %	60 minutes		<b>Bactericidal, Yeasticidal:</b> VAH Tests carried out in dirty conditions.

\* Excluding Tuberculocidal action



Zeta 5 Power Act



Zeta 5 Power Act

# Zeta 7

Impressions disinfectants

Hygiene / Special applications

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.

## Characteristics

- Broad spectrum of action developed and tested according to the latest European Norms validated 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 Spray



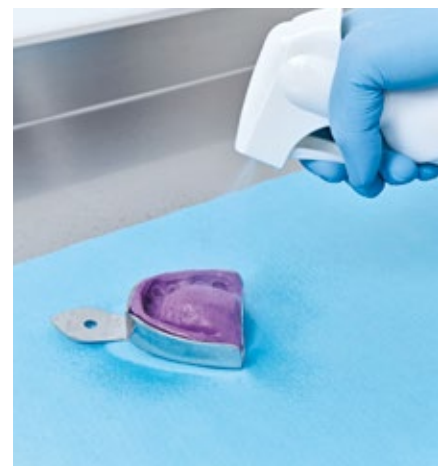
Zeta 7 Spray



Zeta 7 Solution



Zeta 7 Solution



Zeta 7 Spray



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

**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.

## Advantages

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



Algitray and Gypstray

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







Hygiene

# Hands

Zhermack products are non-aggressive to skin and offer deep cleaning and sanitizing for hand washing, an essential and frequently repeated practice.

Zeta 6 Hydra and Zeta 6 Drygel, enriched with nutrients, are protective and moisturising, respecting the skin and helping prevent irritation.

**Zeta 6 Hydra** ..... 114

**Zeta 6 Drygel** ..... 114

**Zeta 6 Hydra** is a delicate cleaner for frequent use on hands and sensitive skin.

**Zeta 6 Drygel** is a special gel for hand cleaning and hygiene.

## Characteristics

- Gentle on the skin and enriched with skin-protecting substances and nutrients
- Zeta 6 Hydra contains a mix of vegetable substances with nourishing and moisturising properties
- Zeta 6 Drygel: perfumed, no rinsing required

## Advantages

- **User comfort:** products ideal for the user hands care and cleaning



Zeta 6 Hydra



Zeta 6 Drygel



Zeta 6 Drygel



# Safemix | Zeta Roll

Gloves and sterilization rolls

Hygiene / Disposable

In order to completely fulfill the needs of users, Zhermack, has also included disposable products in its Zeta Hygiene line, to provide a complete response to user cleaning and protection needs.

**Safemix Latex** and **Safemix Nitrile** are powder-free gloves tested for the safe mixing of Zhermack impression A-Silicones.

**Zeta Roll** are rolls for sterilization in autoclave.

## Characteristics

Gloves:

- Micro-rough surface for improved material handling
- Reinforced edge

Zeta Roll:

- Compliant with standards EN 868, ISO 11140 and ISO 11607
- High tear and perforation resistance

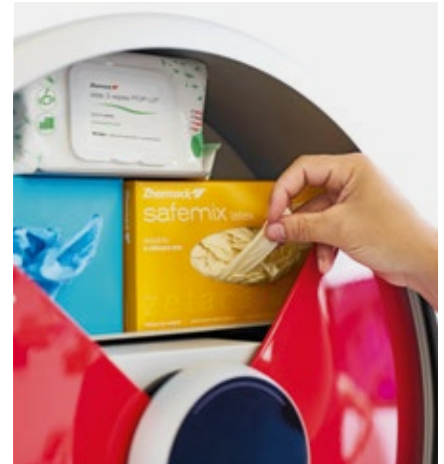
## Advantages

Gloves:

- **High quality:** gloves do not inhibit VPS polymerisation and ensure high tactile sensitivity
- **Comfort:** designed for an ideal fit
- **Efficacy:** provide an high protective barrier

Zeta Roll:

- **Efficacy:** high penetration of the vapour or gas sterilising agent
- **Protection:** high protection from microbes, thanks to the multiple reinforced side seams and uniform impermeable channels
- **User comfort:** clear indication of successful sterilization with evident colour change of the vapour and gas process indicators



Safemix Latex



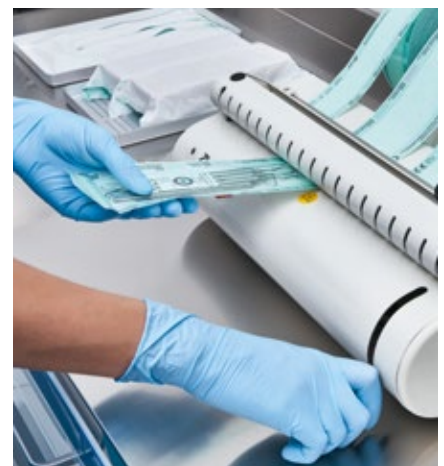
Safemix Nitrile



Zeta Roll



Zeta Roll



Zeta Roll



Zhermack





## Ordinary, surgical dental instruments and burs disinfectants and sterilizers

Code	Product	Packaging
C810000	Zeta 1 Ultra	1 litre bottle
C810012	Zeta 2 Enzyme	1200 g container with dosing spoon
C810011	Zeta 2 Sporex	900 g container with dosing spoon



## Medical devices surfaces disinfectants and cleaners

Code	Product	Packaging
C810023	Zeta 3 Soft	750 ml bottle with nozzle trigger spray
C810024	Zeta 3 Soft	5 litres container (2 x 2.5 litres) with dosage cap
C810027	Zeta 3 Soft Classic	750 ml bottle with foamer trigger spray
C810028	Zeta 3 Soft Classic	5 litres (2 x 2.5 litres) container with dosage cap
C810025	Zeta 3 Foam	750 ml bottle with nozzle trigger spray
C810026	Zeta 3 Foam	3 litres container with dosage cap
C810063	Zeta 3 Wipes TOTAL	120 wipes tub
C810062	Zeta 3 Wipes TOTAL	120 wipes bag refill
C810064	Zeta 3 Wipes POP-UP	100 wipes soft pack
C810037	Zeta 4 Wash	3 litres container





### Special applications Suction unit disinfectants and cleaners

Code	Product	Packaging
C810040	Zeta 5 Power Act	1 litre bottle
C810038	Zeta 5 Power Act	50 x 10 ml single-dose bags



### Special applications Impressions disinfectants

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



### Special applications Solutions for the removal of trays and instruments alginate and gypsum residues

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



### Hands cleaners and sanitizers

Code	Product	Packaging
C810042	Zeta 6 Hydra	1 litre bottle with dosage cap
C810043	Zeta 6 Hydra	5 litres container with dosage cap
C810045	Zeta 6 Drygel	500 ml bottle
C810046	Zeta 6 Drygel	1 litre bottle







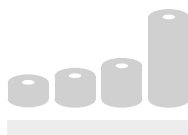
## Disposable Gloves

Code	Product	Packaging
D600000	Safemix Latex	Pack of 100 size XS gloves
D600010	Safemix Latex	Pack of 100 size S gloves
D600020	Safemix Latex	Pack of 100 size M gloves
D600030	Safemix Latex	Pack of 100 size L gloves
D601000	Safemix Nitrile	Pack of 100 size XS gloves
D601010	Safemix Nitrile	Pack of 100 size S gloves
D601020	Safemix Nitrile	Pack of 100 size M gloves
D601030	Safemix Nitrile	Pack of 100 size L gloves
D601040	Safemix Nitrile	Pack of 100 size XL gloves



## Disposable Rolls for autoclave sterilization

Code	Product	Packaging
C811010	Zeta Roll	50 mm x 200 m sterilization rolls
C811020	Zeta Roll	75 mm x 200 m sterilization rolls
C811030	Zeta Roll	100 mm x 200 m sterilization rolls
C811040	Zeta Roll	250 mm x 200 m sterilization rolls



## Sterilization bath

Sterilization bath for surgical and rotating dental instruments, impression trays and impressions cleaning and carriage, with capacity up to 1 litre:

- resists chemical sterilizers
- the basket lifting up ensures the drying of the instruments
- size (L x D x H): 260 x 80 x 110 mm

Recommended for:

alginate and gypsum removal from impression trays, with Algitray and Gypstray





**Alginates**  
Hydracolor 5  
Hydrogum 5  
Orthoprint  
Tropicalgin

**Phase Plus**  
Neocolloid  
Prog. 1  
Prog. 2  
Prog. 3

**Dental St**  
Elite R  
Elite

Mixing Time 0.6 sec

# Equipment

A good quality mixing is essential to obtain an impression that contains clear and precise information in order to facilitate the work of the dental technician, thus making the professionals time more efficient and increasing the satisfaction of the patient, who will not need to go back to the dental surgery for a second impression.

The Zhermack equipment is engineered to simplify and accelerate the mixing of the main impression materials: alginates, addition silicones, condensation silicones and dental gypsum.



Phase Plus  
Neocolloid  
Prog. 1  
Prog. 2  
Prog. 3

Dental Stones  
Elite Rock  
Elite Master  
Elite Model  
Elite Model Fast  
Elite Stone

Status  
Standby  
Door is open

Mixing Time 6 sec



## Equipment

# Mixers for impression systems

Mechanical or automatic mixing quality is considerably better and faster than manual mixing, allows for greater flexibility in the organization of the work within the practice and helps to better achieve the established results.

Hurrimix<sup>2</sup> is the centrifugal mixer for alginates and gypsum, which produces a creamy and homogeneous mixture. Alghamix II is the mechanical mixer for alginates, gypsum and condensation silicones which facilitates the mixing. Sympress is the automatic mixer for impression materials in the 5:1 system, which makes the mixing excellent and reduces wastage of material.

<b>Hurrimix<sup>2</sup></b> .....	126
<b>Alghamix II</b> .....	128
<b>Sympress</b> .....	130

**Hurrimix<sup>2</sup>** is the Zhermack solution for mixing alginates and gypsum in the dental practice. Simple to use, it ensures fast and consistent mixing. Reliability is guaranteed by adopted technical solutions. It helps to increase working efficiency in the surgery.

Designed to enhance the quality of mixing, it is available with 20 mixing programs (10 for alginates and 10 for gypsum), including 6 (3 for alginates and 3 for gypsum) customized to meet the needs of the professionals in a simple way. The design is modern and functional and all the details are designed to ensure reliability over time.

## Characteristics

- Steel-bronze gears of the motor
- Electronic motherboard with encoder
- Electromagnetic safety lock
- Polycarbonate membrane with soft touch buttons
- Large digital display for easy viewing with helpful status messages and maintenance function icon
- 20 mixing programs:
  - 10 for alginates, 7 customized for Zhermack alginates, 3 free
  - 10 for stones, 7 customized for Zhermack stones, 3 free
- Can mix up to 100 g of materials (powder + water)
- PBT reinforced shell easy to clean with alcohol free disinfectants
- Supplied with:
  - 2 spatulas
  - 1 pre-mix stick
  - 2 alginate 2 stone mixing cups with rounded surface for easy mix removal without phthalates
  - 1 dosing bottle

## Advantages

- High mixing quality in a quick easy way
- Homogeneous and consistent creamy mix every time
- Designed to guarantee operational safety
- Easy to clean
- Functional and modern design suits the need of dental clinics
- 4000 cycles or 4 years warranty guarantees a lifespan longer than competitors



Hurrimix<sup>2</sup>



Hurrimix<sup>2</sup>

Code	Model	Size (L x D x H - mm)	Weight (kg)	Power supply (V/Hz)	Total power (W)
C305140	Hurrimix <sup>2</sup> 230V	270 x 320 x 310	21	230 V ± 10 % / 50 - 60 Hz	550
C305141	Hurrimix <sup>2</sup> 115V	270 x 320 x 310	21	115 V ± 10 % / 50 - 60 Hz	550

\*Mixing quality guaranteed for Zhermack gypsum: Elite Rock, Elite Master, Elite Stone, Elite Model, Elite Model Fast, Elite Ortho, Elite Arti.

Code XR0250820



Collection spatula kit

Code XR0250830



Pre-mix stick

Code XR0250802



Alginate mixing bowl 2 pcs

Code XR0250804



Zhermack gypsum mixing bowl 2 pcs

Code XR0250840



Water dosing bottle with measuring cup





# Alghamix II

Mixer for alginates, gypsum and condensation silicones

Equipment / Mixers for impression systems

**Alghamix II** is the mixer which facilitates and simplifies the mixing of alginates, condensation silicones and dental gypsum. Its use reduces air incorporation during mixing, for an even mixture with less bubbles and without lumps.

Its structure and design are specifically designed to guarantee maximum stability during use. In particular, the ergonomic bowl position provides the practitioner with optimal operating conditions, thereby facilitating the dosing and mixing operations. It is also suited for mixing low viscosity condensation silicones by using the appropriate mixing disk.

## Characteristics

- 2 speed bowl rotation
- Ergonomic speed selector
- Bayonet bowl-fastener
- Available bowls: small 350 cc for alginate, large 600 cc for gypsum
- Available bowl colours: grey and blue
- Plate with 20-sheet mixing block for silicones
- Easy to clean ABS body

## Advantages

- Homogeneous mixture without bubbles or lumps
- Constant bowl rotation guaranteed by the two speeds
- Easy to remove and easy to clean bowl
- 600 cc bowl for gypsum and silicone mixing plate usable for various purposes
- 3 year warranty



Alghamix II



Alghamix II

Code	Model	Size (L x D x H - mm)	Weight (Kg)	Power supply (V/Hz)	Total power (W)
C303230	Alghamix II - 230 V	170 x 270 x 210	3	230 V ± 10 % / 50 - 60 Hz	50
C303215	Alghamix II - 115 V	170 x 270 x 210	3	115 V ± 10 % / 50 - 60 Hz	50
C303231	Alghamix II - 230 V UK plug	170 x 270 x 210	3	230 V ± 10 % / 50 - 60 Hz	50

# Alghamix II

Accessories

Equipment / Mixers for impression systems

Code C303165



350 cc Alginate bowl - navy blue

Code C303185



600 cc Gypsum bowl - grey

Code C300990



Fluo spatula 6 pcs

Code C303030



20 sheets mixing block for Alghamix II

Code XR0250670



Mixing disk for Alghamix II

Code C207200



Silicone mixing spatula



# Sympress

Automatic impression materials mixer with a 5:1 mixing ratio

Equipment / Mixers for impression systems

**Sympress**, the automatic impression materials mixer with a 5:1 mixing ratio, offers high performance, excellent quality and functionality. It mixes all Zhermack products in 5:1 ratio (putty, heavy body and monophas) and is compatible with the main 5:1 systems available on the market.

The mixing with Sympress is easy, constant and of higher quality than manual mixing. The mixing phase is notably reduced to give more product working time, which simplifies the work of the professional. Compact and linear design which guarantees reduced encumbrance upon working surfaces. The transparent plastic cover allows immediate viewing of the material being used and the level of material remaining in the cartridge.

## Characteristics

- Ergonomic and compact design
- Two speed dispenser buttons
- Cartridge level indicator
- Available in countertop or wall-mounted versions
- Compatible with main 5:1 systems currently available on the market (VPS and polyether)

## Advantages

- Double speed automatic mixing combined with the innovative Zhermack dynamic-static mixing tip guarantees the maximum mixing uniformity while maintaining unchanged the reactivity of the product
- Patented tip of Zhermack 5:1 mixing systems reduces material waste of 18% in comparison to the traditional mixing tips\*
- High versatility thanks to its compatibility with the most common impression materials on the market
- 3 year warranty



Sympress



Sympress and Hydrorise Putty

Code	Model	Size (H x W x L - mm)	Weight (kg)	Power supply (V/Hz)	Total power (W)
6000-0000	Sympress – 230 V	330 x 190 x 380	7	230 V ± 10% / 50 Hz	170
6000-1000	Sympress – 120 V	330 x 190 x 380	7	120 V ± 10% / 60 Hz	170
6000-2000	Sympress 230 V plug UK	330 x 190 x 380	7	230 V ± 10% / 50 Hz	170
6000-3000	Sympress 100 V	330 x 190 x 380	7	100 V ± 10% / 50 – 60 Hz	170

## Accessories

Code	Description
6000-0100	Wall mounting kit

\*Internal Zhermack tests

For more information about usable products consult the following sheets on the site [www.zhermack.com](http://www.zhermack.com): Hydrorise, Hydrorise Implant, Elite HD+ and Freelgin.





## Equipment

# Solutions for hygiene

The proper cleaning of the dental instruments requires equipment that combines safety and efficacy, technology and practicality. For the sterilization of instruments and burs, Zhermack has developed an autoclave, Zetaclave, and a thermosealer.

Safe and effective, with a high respect for the materials; practical, for immediate and simplified handling; technologically advanced and with a contemporary design.

### AUTOCLAVE

**Zetaclave B** ..... 134

**Thermosealer** ..... 135

WATER - SPINGERE PER APRIRE  
EAU USÉE - PUSH TO OPEN  
AGUA SUCIA - POUSSER POUR OUVRIR  
SCHMUTZIGES WASSER - EMPUJAR PARA ABRIR  
SCHIEBEN UM ZU OEFFNEN

# Zetaclave B

Autoclave

Equipment / Solutions for hygiene

**Zetaclave** is a class B autoclave for the sterilization in surgery of solid instruments, hollow instruments (type A and B), packeted instruments and porous loads in compliance with European regulation EN 13060. Zetaclave B meets all the requirements for a safe sterilization while offering speed and high performance.

## Characteristics

- Instant vaporizer outside the chamber
- Self-registering motorised closure with triple safety device
- Stainless steel chamber, pressed in a single block without welds (for perfect hygiene)



Zetaclave

## Advantages

- **Maximum security for the professional and his patients:** a guarantee of high safety through constant controls by incorporated probes
- **Easy to use and intuitive:** thanks to the graphic display and a complete list of pre-set cycles



Code	Model	Size (L x D x H - mm)	Weight (kg)	Power supply (V/Hz)	Total power (W)	Chamber dimensions (Ø x D - mm)	Maximum altitude of use (m)	Tank capacity (l)
C306550	Zetaclave B 18 l	450 x 615 x 400	45	230 V ± 10 % / 50 - 60 Hz	2400	236 x 381	0 - 2000	4.5
C306552	Zetaclave B 23 l	450 x 615 x 400	50	230 V ± 10 % / 50 - 60 Hz	2400	236 x 530	0 - 2000	4.5

## Accessories

Code	Packaging
XR0150090	Electric distiller
XR0150070	Demineraliser
XR0150100	Osmosis

## Accessories

Code	Packaging
XR0150125	Zetaclave tray 18 l
XR0150135	Zetaclave tray 23 l
XR0150140	Bacterial filter

# Thermosealer

Thermosealing machine

Equipment / Solutions for hygiene

Manual **thermosealing machine** for sterilization rolls.

## Characteristics

- High sealing speed
- Sealing area width 310 mm
- Intelligent validation thanks to the luminous warning indicator during use

## Advantages

- **Quality:** guarantees perfect sealing in a few seconds
- **Practicality:** the sealing lever is ergonomically designed and positioned frontally to simplify the packaging operations



Manual thermosealing machine



Code	Model
XR0150060	Manual thermosealing machine



# Elite Rock | Elite Model | Elite Ortho

Dental Stones

## Model casting

It often happens that the model needs to be cast directly in the practice to reproduce the state of the patient's dentition for diagnostic purposes. This allows to assess the most suitable orthodontic treatment or prosthesis, or even only to check the occlusion.

To obtain the maximum precision, you can find within the wide range of Zhermack gypsum the one that is the most indicated for the applications of the dental practice.

**Elite Rock** is an extra hard stone for master models in fixed prosthesis applications. Thanks to its special formula optimised for reading with CAD/CAM systems, models made with Elite Rock in Silver Grey are scannable without using reflective sprays.

**Elite Model** is a dental stone indicated for making antagonists or study models.

**Elite Ortho** is a dental stone for the production of models for orthodontics and antagonists.

Elite Rock	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Sandy Brown	C410033	C410032	C410030	C410200	C410334
Cream	-	-	C410020	C410201	C410332
Silver Grey	-	-	C410010	C410202	C410330
White	-	-	C410000	C410204	C410336

Elite Rock Fast	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Sandy Brown	C410152	C410151	C410150	C410205	-
Cream	-	-	C410160	C410207	-

Elite Model	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Steel Blue	-	C410071	C410070	C410221	-
Ivory	-	C410081	C410080	C410220	C410304

Elite Model Fast	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Sky Blue	-	-	C410065	C410224	C410306
Light Cream	C410069	-	C410067	C410226	C410308
White	-	C410064	C410063	C410228	C410309

Elite Ortho	200 g	1 kg	3 kg	25 kg carton	25 kg drum
White	C410092	C410091	C410090	C410230	C410320

For further information about the whole range of Zhermack Dental Stones, please refer to the laboratory catalogue.



## G H

## E F

Elite Cord  
**page 76**

Elite Glass  
**page 54**

Elite Hard Relining  
**page 67**

Elite HD+ Light Body - Normal & Fast Set  
Elite HD+ Maxi Monophase - Normal Set  
Elite HD+ Maxi Putty Soft - Normal & Fast Set  
Elite HD+ Maxi Tray Material - Fast Set  
Elite HD+ Monopahse - Normal Set  
Elite HD+ Putty Soft - Normal & Fast Set  
Elite HD+ Regular Body - Normal Set  
Elite HD+ Super Light Body - Fast Set  
Elite HD+ Tray Material - Fast Set  
**page 36**

Elite LC Tray  
Elite LC Tray ROUND  
**page 75**

Elite P&P Light Body  
Elite P&P Putty Soft  
Elite P&P Regular Body  
**page 40**

Elite Soft Relining  
**page 66**

Elite Stones  
**page 134**

Freealgin  
Freealgin Maxi  
**page 20**

Gypstray  
**page 110**

Hi-Tray Light Clear  
**page 71**

Hi-Tray Light Dual Arch  
**page 74**

Hi-Tray Light Edentulous  
**page 73**

Hi-Tray Light Plastic  
**page 72**

Hi-Tray Metal  
**page 70**

Hurrimix<sup>2</sup>  
**page 126**

Hydrocolor 5  
**page 14**

Hydrogum  
**page 17**

Hydrogum 5  
**page 14**

Hydrogum Soft  
**page 17**

Hydrorise Extra Light Body - Normal & Fast Set  
Hydrorise Heavy Body - Normal & Fast Set  
Hydrorise Light Body - Normal & Fast Set  
Hydrorise Maxi Heavy Body - Normal & Fast Set  
Hydrorise Maxi Monophase - Normal & Fast Set  
Hydrorise Maxi Putty - Normal & Fast Set  
Hydrorise Monophase - Normal & Fast Set  
Hydrorise Putty - Normal & Fast Set  
Hydrorise Regular Body - Normal & Fast Set  
**page 28**

Hydrorise Implant Heavy Body - Normal Set  
Hydrorise Implant Light Body - Normal Set  
Hydrorise Implant Medium Body - Normal Set & Quick Set  
**page 32**

## A C

Acrytemp  
**page 84**

Alghamix II  
**page 128**

Algitray  
**page 110**

Colorbite D  
Colorbite Rock  
**page 60**

# I N O

Indurent Gel  
**page 46**

Neocolloid  
**page 15**

Occlufast+  
Occlufast+ Color  
**page 58**

Occlufast CAD  
Occlufast Rock  
**page 60**

Oranwash L  
Oranwash VL  
**page 46**

Orthogum  
**page 50**

Orthoprint  
**page 16**

# P S

Phase Plus  
**page 17**

Safemix Latex  
Safemix Nitrile  
**page 116**

Sympress  
**page 130**

# T U

Thermosealer  
**page 135**

Thixoflex M  
**page 46**

Tropicalgin  
**page 17**

Universal Tray Adhesive  
**page 77**

# Z

Zeta 1 Ultra  
Zeta 2 Enzyme  
Zeta 2 Sporex  
**page 98**

Zeta 3 Foam  
Zeta 3 Soft  
Zeta 3 Wipes POP-UP  
Zeta 3 Wipes TOTAL  
Zeta 4 Wash  
**page 102**

Zeta 5 Power Act  
**page 106**

Zeta 6 Drygel  
Zeta 6 Hydra  
**page 114**

Zeta 7 Solution  
Zeta 7 Spray  
**page 108**

Zeta Roll  
**page 116**

Zetaclave  
**page 134**

Zetaflow Catalyst  
Zetaflow Light  
Zetaflow Putty  
**page 46**

Zetalgin  
**page 18**

Zetaplus  
Zetaplus Soft  
**page 46**

Zmack Bond  
Zmack Comp  
Zmack Etch  
Zmack Flow  
**page 88**

# Fulfilling your needs