

# ***c-silicones***



POLYSILOXANE  
(CONDENSATION SILICONE)  
IMPRESSION MATERIAL

***zetaplus***  
***zetaplus soft***  
***oranwash VL***  
***oranwash L***  
***thixoflex M***  
***indurent gel***

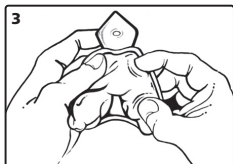
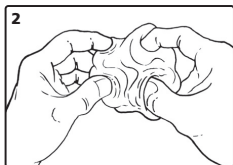
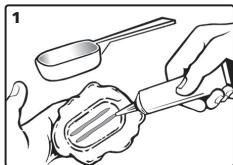


***Zhermack***<sup>®</sup>  
**CLINICAL** 

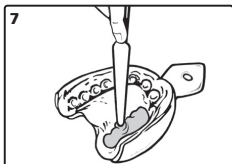
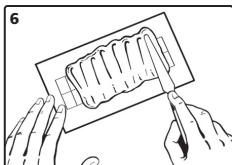
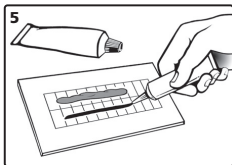
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**zetaplus**  
**zetaplus soft**



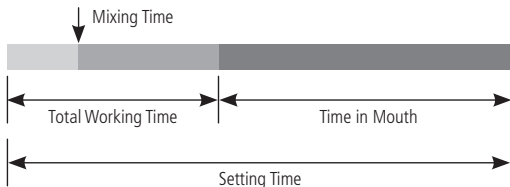
**oranwash VL**  
**oranwash L**  
**thixoflex M**





<b>Table 1. Technical Data</b>		<b>ZETAPLUS</b>	<b>ZETAPLUS SOFT</b>	<b>ORANWASH VL</b>	<b>ORANWASH L</b>	<b>THIXOFLEX M</b>
1	<b>ISO 4823 ADA Spec. 19</b>	Type 0 Putty Consistency	Type 0 Putty Consistency	Type 3 Light-bodied Consistency	Type 3 Light-bodied Consistency	Type 3 Light-bodied Consistency
2	<b>Mixing time</b>	30"	30"	30"	30"	30"
3	<b>Total working time*</b>	1'15"	1'15"	1'30"	1'30"	2'
4	<b>Time in mouth</b>	3'15"	3'15"	3'30"	3'30"	3'30"
5	<b>Setting Time*</b>	4'30"	4'30"	5'	5'	5'30"
6	<b>Strain in compression (min - max)</b>	2% - 5%	2% - 5%	2% - 8%	2% - 8%	2% - 8%
7	<b>Recovery from deformation</b>	> 98%	> 98%	> 99%	> 99%	> 99%
8	<b>Linear dimensional change 24 hours</b>	< -0,2%	< -0,2%	< -0,7%	< -0,7%	< -0,7%

\*The times mentioned must be intended from the start of mixing at 23°C - 73°F. Higher temperatures reduce the times, lower temperatures increase them.



## HYDROCOMPATIBLE CONDENSATION SILICONES (POLYSILOXANES) FOR HIGH-PRECISION IMPRESSIONS

### USE

**Zetaplus:** Polysiloxane for the first impression characterised by initial flow in the working phase and high rigidity after hardening. Recommended for the two stage technique (double impression).

**Zetaplus Soft:** Polysiloxane for the first impression characterised by initial flow in the working phase and adequate elasticity on removal from the oral cavity. Recommended for the two stage technique (double impression).

**Oranwash VL:** Low viscosity, extremely fluid, hydrocompatible, polysiloxane. Recommended for the two stage technique (double impression).

**Oranwash L:** Low viscosity, extremely fluid, hydrocompatible, polysiloxane. Recommended for the two stage technique (double impression).

**Thixoflex M:** Low viscosity, thixotropic, hydrocompatible, polysiloxane. It does not drip when injected directly onto the preparation, yet flows easily. Recommended for the two stage technique (double impression) and a single phase (simultaneous) and for the relining of removable prosthesis.

### IMPRESSION TRAY

All rigid types; Hi-Tray (Zhermack) stainless steel impression trays are particularly recommended.

### ZETAPLUS / ZETAPLUS SOFT - INSTRUCTIONS FOR USE

**Dosage:** Use the measuring spoon to dose the required quantity of Zetaplus and spread it out over your hand (note: for the correct dosage the putty should be level with the top of the measuring scoop). Press the rim of the measuring scoop onto the putty once for each measure dosed. For each measure of material, apply two strips of Zhermack Indurent Gel as long the measuring scoop (4 cm.) (1). When using Zhermack Indurent Liquid, dose 5 – 6 drops of hardening liquid for each scoop of putty used.

**Mixing:** Fold and knead the putty energetically with your fingertips for about 30 sec., until the colour is even, without any stripes (2). Spread out the putty over the impression tray. The working time including mixing time is about 1 min. 15 sec. (3). Put into the mouth and wait until it is set, which will take about 3 min. 15 sec. (4).

### ORANWASH VL / ORANWASH L / THIXOFLEX M - INSTRUCTIONS FOR USE

**Dosage:** Extrude the required quantity, observing the dosage scale on the mixing block. Then dose a quantity of Zhermack Indurent Gel equal to the length of the fluid (5). When using Zhermack Indurent Liquid, dose one drop of hardening liquid for each notch of fluid.

**Mixing:** Mix energetically with the spatula, and then carefully spread the mixture out, pressing it over the mixing block to eliminate any air which may have been incorporated into the mixture. Repeat this operation until the mix is even in colour. Mixing time should ideally be about 30 sec. (6) Apply the mixture to the impression tray with a spatula or a syringe for elastomers. Working time

including mixing time is about 1 min. 30 sec. (7). Put into the oral cavity and wait for the mix to harden, which will take about 3 min. 30 sec. (8).

## TECHNICAL DATA

**Table 1** gives the characteristics of the materials:

- 1 - ISO 4823 / ADA Spec. 19
- 2 - Mixing time
- 3 - Total working time\*
- 4 - Time in mouth
- 5 - Setting Time\*
- 6 - Strain in compression (min - max)
- 7 - Recovery from deformation
- 8 - Linear dimensional change 24 hours

\* The times for clinical use (listed in **table 1 – Table 1**, material characteristics) are intended from the start of mixing at a temperature of 23°C – 73°F. Mixing at higher temperatures reduces these times. Mixing at lower temperatures increases them.

## WARNING / CAUTION

- Before making the corrective impression, remove all remaining traces of oral fluids by rinsing thoroughly and drying.
- Close all hardening substances properly after use.
- Prevent catalyst from coming into contact with skin and eyes; wash well with soap and water in the event of accidental skin contact. In the event of eye contact, rinse thoroughly with running water and seek medical attention. If substance is ingested, seek medical attention immediately.
- Do not stain garments.
- In sensitive subjects, polysiloxanes may cause irritation or other allergic reactions.

## CLEANING AND DISINFECTING THE IMPRESSION

After rinsing well under running water, the impression can be immediately disinfected. Ideal disinfecting is achieved by immersing the impression in **Zeta 7 solution** (Zhermack) or spraying it with **Zeta 7 spray** (Zhermack). When using other disinfectants, always follow the manufacturer's instructions.

## CASTING MODELS

The impression must be cast 30 min. to 72 hours after hardening. To reduce surface tension and therefore the risk of bubble formation (with chalky materials) we recommend treating the impression by spraying with Zhermack Tensilab. The material is compatible with all quality commercially available chinks. We recommend Zhermack gypsum, type 4 die stone: **Elite Rock**, **Elite Master** and type 3: **Elite Model**, **Elite Stone**.

## GALVANISATION

The impressions may be galvanised with copper or silver.

## CONSERVATION

Guaranteed for 36 months at 5° to 27°C (41° – 80°F)

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