PLATINUM

USER'S GUIDE

A-Silicone for masks

Zhermack
Dental

Platinum, simplify your work

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

Zhermack offers a complete system of putty silicones with different hardnesses, delivering high performance in numerous applications, including dental aesthetics.

To satisfy the various needs of daily practice, Platinum 75 CAD silicone is designed for scanning with CAD/CAM systems and is ideal in combination with Platinum 95 for excellent reproduction of details. Recommended to make masks and counter-moulds.

1.

INJECTABLE TECHNIQUE WITH PLATINUM 85 TOUCH FOR TEMPORARY RESTORATIONS

Creation of a reinforced temporary restoration with injectable technique, starting with a model prepared on an impression with natural abutments prepared by the dentist.

Materials used: Platinum 85 TOUCH, Acrytemp, Elite Rock.

Master model

1

CrCo structure for reinforced temporary restoration

2

Waxed up structure

3

Construction of mask in Platinum 85 TOUCH

4 ▸

Mask
removal

5

>>

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

6

Mask repositioning
and Acrytemp injection

7

End of Acrytemp injection

8

9

<<

Unfinished temporary restoration
(following mask removal)

FINAL RESULT

after finishing and polishing

2.

INDIRECT TEMPORARY RESTORATIONS BY USING PLATINUM 85 TOUCH

The creation of a temporary restoration enables the dentist to have a functional aesthetic support in the dental practice, before even preparing the abutments in the patient's mouth.

Materials used: Platinum 85 TOUCH, Acrytemp, Elite Rock.

Model

1

Mask in Platinum 85 TOUCH

2

Prepared model

3

Filling the mask with Acrytemp

4

5

<<

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

Mask removal

6

FINAL RESULT
after finishing and polishing

3.

REMOVABLE COMPLETE DENTURE
WITH COLD-CURING RESIN FOR POURING TECHNIQUE

The combined use of silicones and cold-curing resins makes it possible to create removable prostheses of high aesthetic and functional quality, saving significant amounts of time compared to the traditional technique which uses heat-curing resins.

Materials used: Platinum 85 TOUCH, Platinum 95, Villacryl SP, Elite Stone.

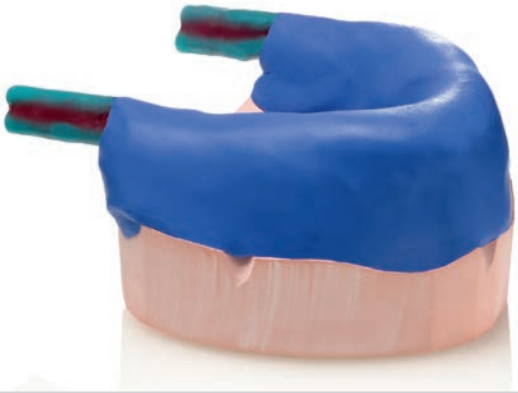
Waxed-up prosthesis

1

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

2

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

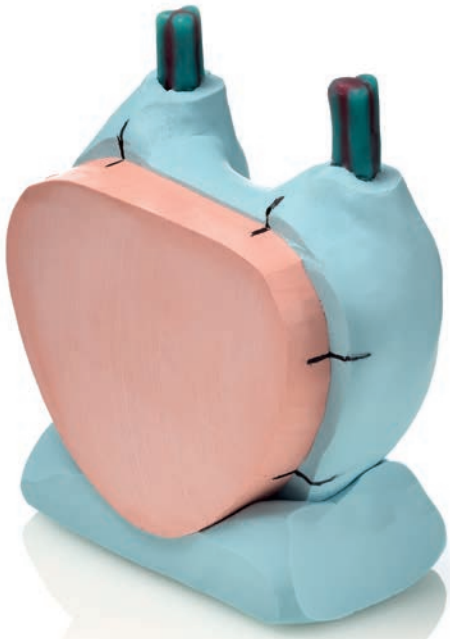


3

Secondary containment mask, in Platinum 95

4

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



5

Mask removal

6

Wax removal from model and teeth

7

Repositioning the teeth in the silicone mask

8 ▸

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

9

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

10

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

11

Pour the resin into one of the two pouring channels

12

>>

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

Result of the mask removal

Polishing and finishing

FINISHED PROSTHESIS

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

Technical features

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

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

Codes

Platinum 75 CAD - Scannable A-Silicone

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

Platinum 85 TOUCH - High precision A-Silicone

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

Platinum 85 - High precision A-Silicone

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

Platinum 95 - High precision A-Silicone

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

Find out more about related Zhermack products for masks

Acrytemp
Bis-acrylic self-curing resin
for provisional prostheses

Elite Stones
Stones for preparing
models in dentistry

Villacryl SP
Cold-curing acrylic resin
for removable prostheses

For more information please visit our website: **www.zhermack.com**

F120056 - 19-03

Fulfilling your needs

Zhermack S.p.A. | Via Bovazecchino, 100 | 45021 Badia Polesine (RO) ITALY
T +39 0425 597611 | F +39 0425 53596 | info@zhermack.com | www.zhermack.com

Zhermack