

VILLACRYL SP



USER'S GUIDE

Cold-curing acrylic resin for removable prostheses

Villacryl SP, easy to use comfortable to wear

Villacryl SP is a fluid cold-curing acrylic resin for frameworks, complete and partial prostheses, for use with pouring technique in combination with laboratory silicones, duplication silicones and hydrocolloids.

Easy to prepare and use, Villacryl SP is available in various colours and degrees of opacity.

Users can rely on superior stability of time, good impact resistance and flexural strength: these characteristics contribute towards simplifying lab work and make it possible to create top quality prostheses in a simple, quick and cost-effective way.



MIXING TECHNIQUE

Weigh the resin and measure the monomer.

Mixing ratio:

10 g of resin and **6.7 g** (7 ml) of monomer



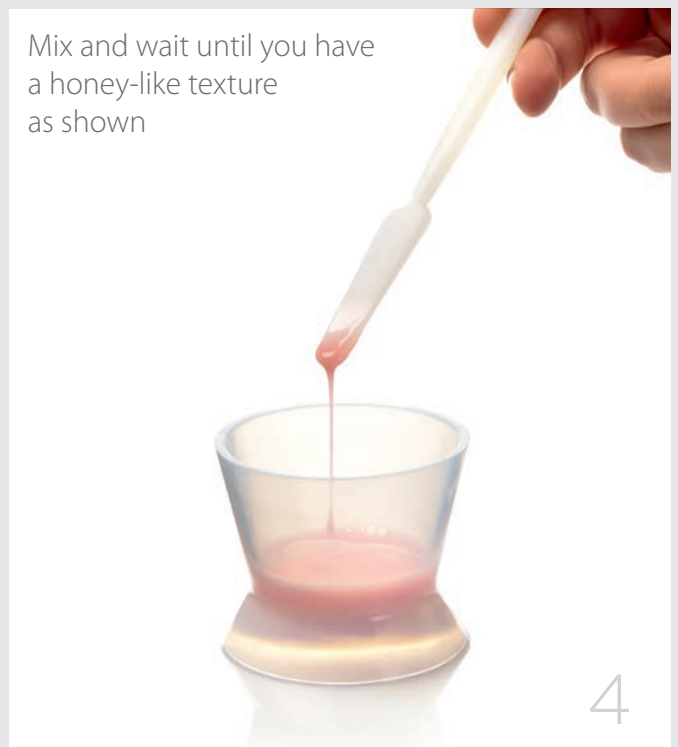
First pour the monomer



Next, pour the resin



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



1.

REMOVABLE COMPLETE DENTURE WITH COLD-CURING RESIN FOR POURING TECHNIQUE • VERSION 1 •

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

The use of a duplication silicone makes for outstanding detail reproduction.

Materials used: Elite Double 16, Platinum 95, Villacryl SP, Elite Stone.

Waxed-up prosthesis



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



Cover the palate with Platinum 95



Model boxing using sticky wax

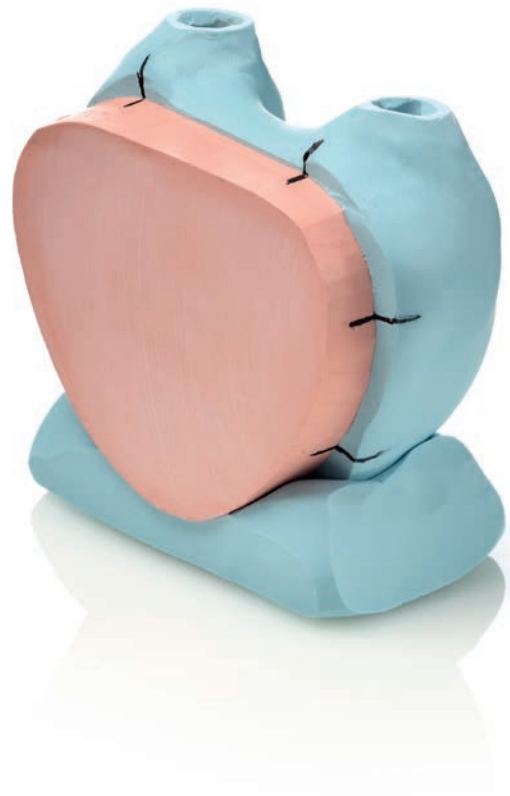




Pour Elite Double 16

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

Secondary containment mask
in Platinum 95



Mask
removal



8

Wax removal from model and teeth



9

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



11

Repositioning the
teeth in the silicone
mask



10

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



12

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



13

Pour the resin into one of the two pouring channels



14

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



15

Result of the mask removal



16

Polishing and finishing



17

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



2.

REMOVABLE COMPLETE DENTURE WITH COLD-CURING RESIN FOR POURING TECHNIQUE • VERSION 2 •

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

Application 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)



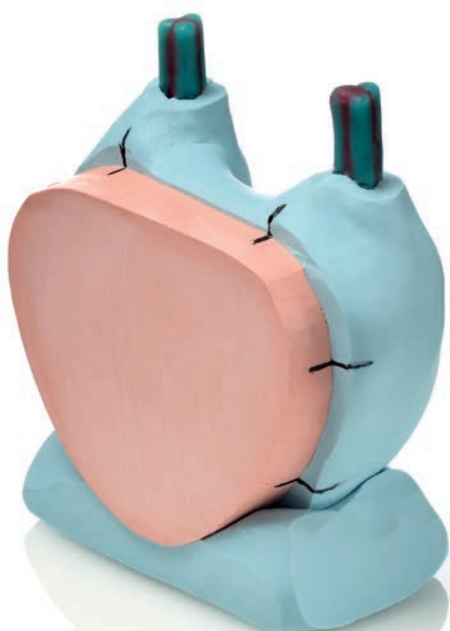
3

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



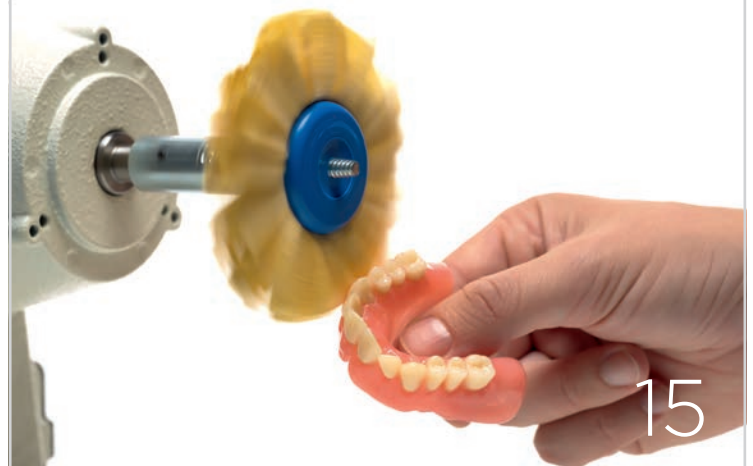
The pouring is complete
when the resin oozes out
of the opposite channel



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

3.

FRAMEWORK PROSTHESIS WITH COLD-CURING RESIN FOR POURING TECHNIQUE

The combined use of silicones and cold-curing resins for the preparation of frameworks saves plenty of time without foregoing quality.

Materials used: Zetalabor, Villacryl SP, Elite Stone.

Model with framework



Framework on model and saddle
with wax-up



Creation of the mask



Finishing the mask



Removal of wax and repositioning of teeth on the mask



Repositioning the mask onto the model with framework



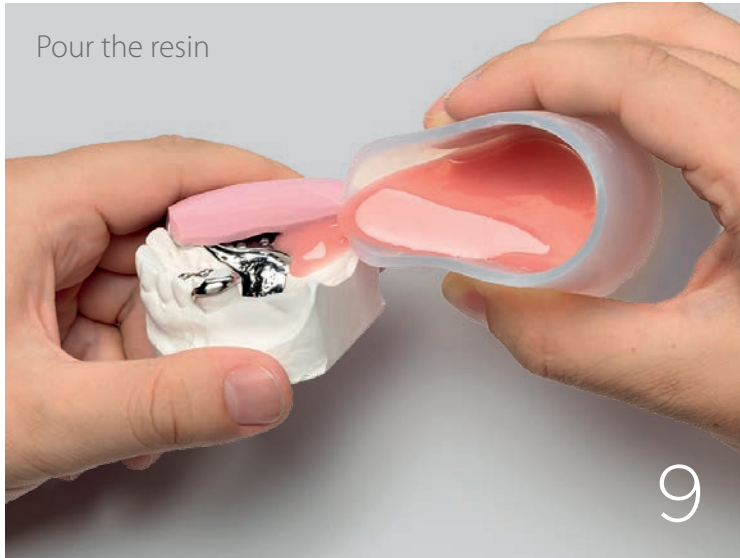
Weigh the resin, measure the monomer and mix, pouring the monomer in first and then the resin



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



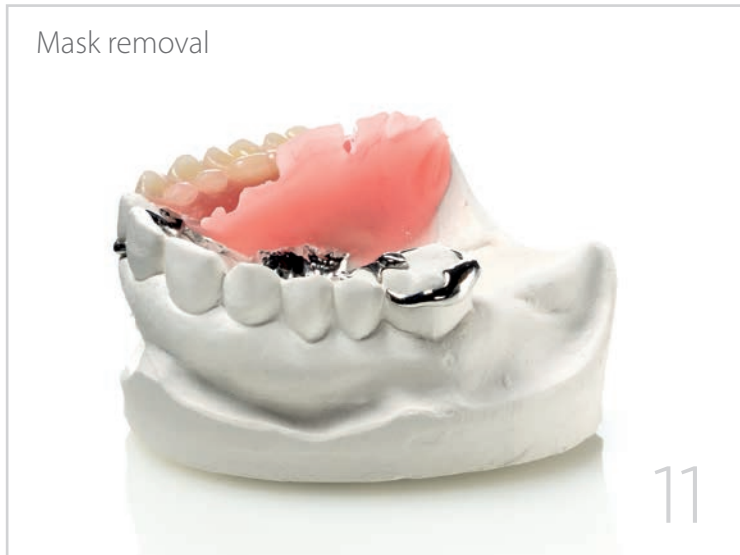
Pour the resin



Result after resin curing



Mask removal



Polishing and finishing



FINAL RESULT





Technical features

Mixing ratio	10 g powder / 5.2 ml (5 g) liquid 10 g powder / 7 ml (6.7 g) liquid - frameworks
Casting time* (min:sec)	2:00 4:00 - frameworks
Curing process (min:sec)	65 °C 20:00 2 bar
Flexural strength	>60 MPa
Solubility	1.4 µg/mm³ [< 8 µg/mm³]**
Absorption	18.7 µg/mm³ [< 32 µg/mm³]**
Colours	V2 MILK PINK VEINED V4 PINK VEINED 0 TRANSPARENT

**The times mentioned must be intended at 23 °C (73 °F)

** EN ISO 20795

Codes

Villacryl SP - Cold-curing acrylic resin for pouring technique

Code	Colour	Packaging
Kits		
V120V2Z03	V2	500 g tub + 300 ml bottle
V120V4Z04	V4	500 g tub + 300 ml bottle
V1200Z01	0	500 g tub + 300 ml bottle
Refill - Powder		
V120V4P05	V4	500 g tub
Refill - Liquid		
V120L06		300 ml bottle



Find out more about related Zhermack products for removable prostheses



Elite Double

A-Silicones
for model duplication



Platinum 95

A-Silicone
for masks



Zetalabor

C-Silicone
for masks



Elite Stone

Type 4 stone for master
models in removable prostheses

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

Fulfilling your needs