

ELITE DOUBLE



USER'S GUIDE

A-Silicones for model duplication

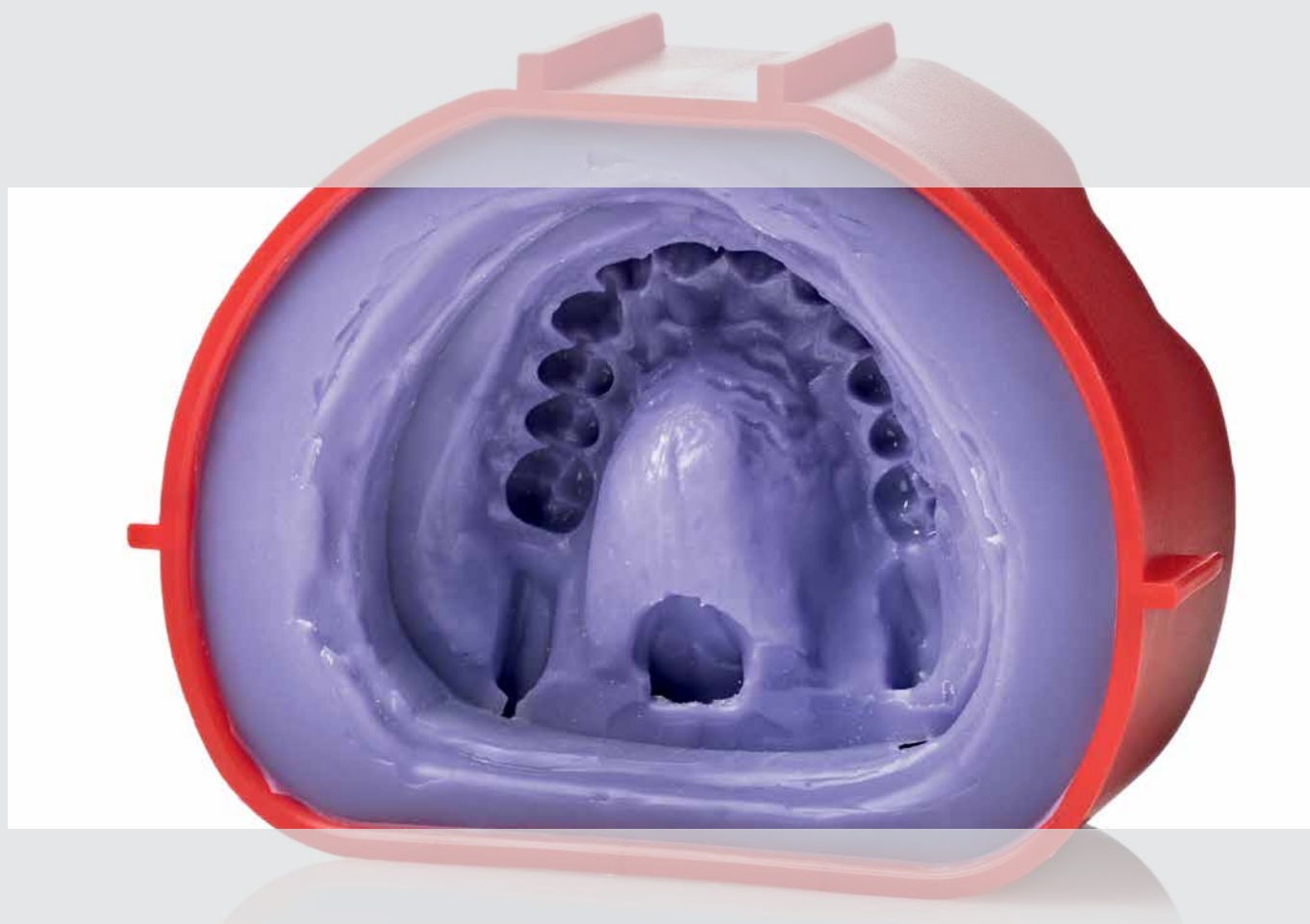
Elite Double, duplicating perfection



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

The Elite Double range of silicones consists of 7 different coloured products, four different final hardnesses and three setting times: normal, fast and extra fast, the latter formulated specifically for automatic mixers.

Elite Double retains high and constant fluidity throughout the working time, delivering a homogeneous bubble-free result.



1.

REMOVABLE COMPLETE DENTURE WITH COLD-CURING RESIN FOR POURING TECHNIQUE

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 hot-curing resins.

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

Materials used: Elite Double 16, Elite Stone.

Waxed-up prosthesis



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

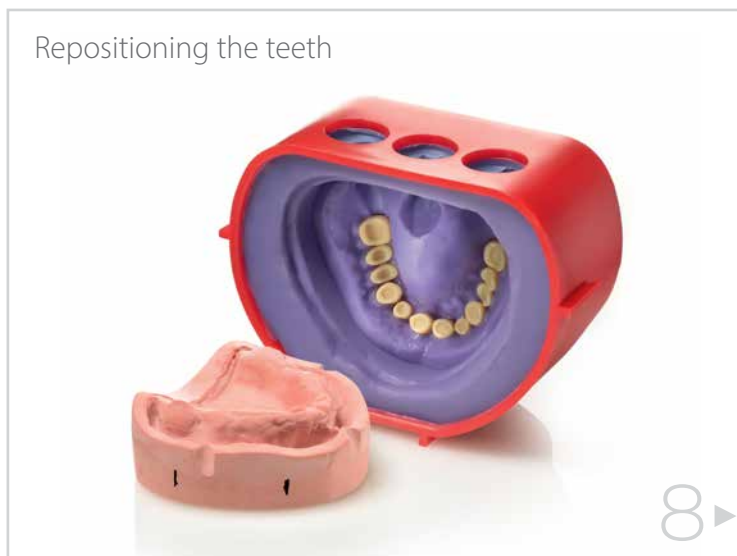
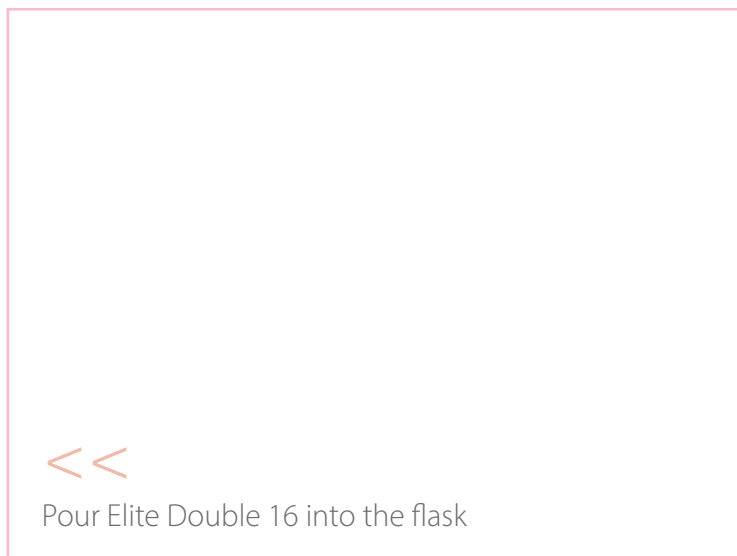


Application of pouring channels



Closing the flask





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

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



11

Pour the resin into the central pouring channel



12

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



13

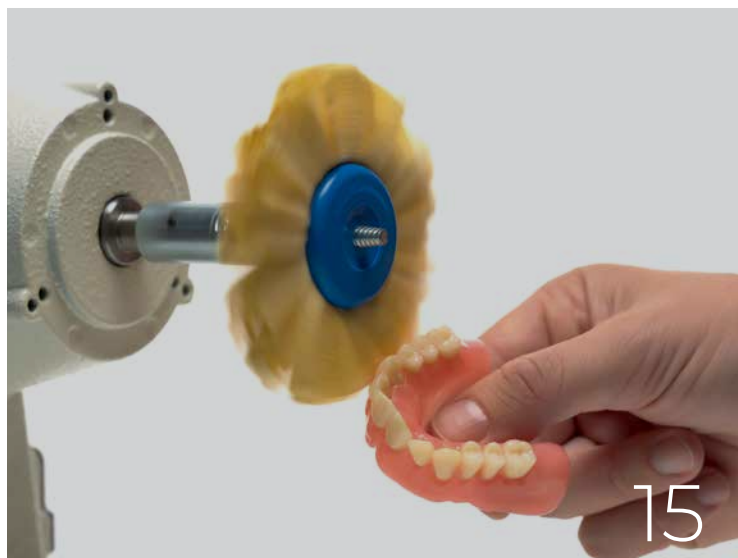
Result upon opening the flask



14

>>

Polishing and finishing



15

FINISHED PROSTHESIS



2.

REMOVABLE COMPLETE DENTURE WITH COLD-CURING RESIN FOR POURING TECHNIQUE

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

Materials used: Elite Double 16, Platinum 95, 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

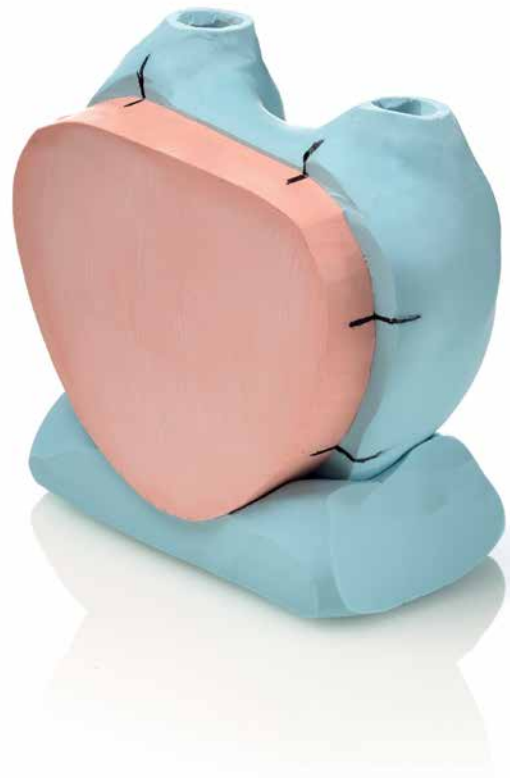




Pour Elite Double 16

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



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



3.

MODEL DUPLICATION

The superior detail reproduction and high elastic recovery offered by Elite Double 22 means a model can be duplicated multiple times, even in the presence of thin thicknesses.

Materials used: Elite Double 22.

Master model



1

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



2

Closing the flask



3

Pour Elite Double 22 into the flask



4

Opening the flask



5

Pour the investment
into the silicone



6

DUPLICATE MODEL





Technical features

	Elite Double 8	Elite Double 16 Fast	Elite Double 22	Elite Double 22 Fast	Elite Double 22 Extra Fast	Elite Double 32	Elite Double 32 Fast
ISO 14356	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material	Type 2 Non-reversible duplication material
Color	Opaque pink	Violet	Navy green	Orange	Grey	Apple green	Blue
Mixing ratio	1:1	1:1	1:1	1:1	1:1	1:1	1:1
Manual mixing time*	1'	1'	1'	1'	only for Duplicating unit machine	1'	1'
Mechanical mixing time with vacuum mixer*	30"	30"	30"	30"	only for Duplicating unit machine	30"	30"
Working time*	10'	5'	10'	5'	1'30"	10'	5'
Setting time*	20'	10'	20'	10'	5'	20'	10'
Time elapsed between model separation from the mould and the first plaster pouring *	60'	60'	60'	60'	60'	60'	60'
Hardness (Shore A)	8	16	22	22	22	32	32
Detail reproduction	20 µm	20 µm	20 µm	20 µm	20 µm	20 µm	20 µm
Linear dimensional change (after 24 h)	- 0,05 %	- 0,05 %	- 0,05 %	- 0,05 %	- 0,05 %	- 0,05 %	- 0,05 %
Tensile strength	2 N/mm ²	2,5 N/mm ²	2,5 N/mm ²	2,5 N/mm ²	2,5 N/mm ²	2,5 N/mm ²	2,5 N/mm ²
Elongation at break	380 %	550 %	450 %	450 %	450 %	350 %	350 %
Tear strength	2,5 N/mm ²	5 N/mm ²	5 N/mm ²	5 N/mm ²	5 N/mm ²	5 N/mm ²	5 N/mm ²

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

Codes



Elite Double 8 - A-Silicone for model duplication

Code	Packaging
C400830	1 kg (Base) + 1 kg (Catalyst)



Elite Double 16 Fast - A-Silicone for model duplication

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

Elite Double 22 - A-Silicone for model duplication

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

Elite Double 22 Fast - A-Silicone for model duplication

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

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

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

Elite Double 32 - A-Silicone for model duplication

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

Elite Double 32 Fast - A-Silicone for model duplication

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

Find out more about related Zhermack products for model duplication



Elite Stone

Type 4 stone for master models
in fixed prosthesis applications



Platinum 95

A-Silicone
for masks

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

Fulfilling your needs