

24-04-2012 REV. 3.0

TECHNICAL DOCUMENTATION

DESCRIPTION

Extreme Ela is a two component silicic elastomer curing at room temperature with reaction of polyaddition (ratio 1:1).

Application

This product is formulated for first impression, recommended for the two stage technique (double impression).

Advantages

- 1) excellent reproduction of details.
- 2) high dimensional stability.
- 3) doesn' t compress the gingival mucosa.
- 4) doesn' t release toxic substances during and after the curing reaction.
- 5) no greasy surfaces.
- 6) excellent elastic recovery.

Principle of Crosslinking

Extreme Ela cures by polyaddition. This kind of vulcanization is based on the reaction of the reactive silicon groups = SiH with silicone polymers such as unsaturated \equiv Si-CH=CH₂.

Characteristics

1) Before Catalysis

EXTREME ELA

Appearance:

Colour:

Odour:

A:	B:
paste	paste
white	violet
n.a.	n.a.

2) During catalysis

Mixing time	about 30"
Time in mouth	about 2,5 min.
Total setting time	about 3 min.

- **Higher temperatures reduce the times, lower temperatures increase them.**
- **If used as elastic mask the times of polymerization increase**

Classification: **ISO 4823 - ADA 19** Type 0 Putty Consistency

3) After catalysis

- on a tester of 6 mm in thickness	
Shore- A hardness after 24 hours	
(astm d 2040/c) points Sh. A	: about 52
Density gr./cc.	: about 1,35
Linear dimensional change	
% ISO 4823	: < 0,2%
Strain in compression	
% ISO 4823	: < 0,1%
Elastic recovery	
% ISO 4823	: 99,4%
Compatibility with gypsum/resins	
% ISO 4823	: excellent

Use

Take the same quantity of Base and Catalyst using appropriate dosing spoons.

Mix accurately with hands until you obtain a homogeneous mix without streaks, then place into the impression tray.

Warning: the cross-linking of **Extreme Ela** may be inhibited by contact with the following materials:

- latex gloves
- salts of heavy metals
- amines
- sulfur and derivates
- catalyst of epoxy resins

Packaging

Extreme Ela is available in packaging of 300 ml.+300 ml (500 gr.+ 500 gr.). With pressure cap and seal.

Storage and shelf life

Extreme Ela can be stored for 24 months and must be kept at a temperature of between 12 e 28 °C in sealed package.

Safety

Refer to Safety Data Sheet of **Extreme Ela**

IMPORTANT REMARKS

Meditaly guarantees that the products meet the sales specification.

Consulting services on the use of our products, provided in any form, be that verbal, written or through demonstrations, are based upon the current state of dentistry and of our know-how. They are to be considered as non-binding information, also in relation to possible third party claims, and do not exonerate the user from personally checking whether the product is suitable for the planned use. Use and application by the user take place under no possible control by the Company, and are therefore under the user's responsibility. Possible liability for damages is limited to the value of goods supplied by the Company and utilized by the user. **FOR DENTAL USE ONLY**

FABBRICANTE

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