

24-04-2012 REV. 3.0

TECHNICAL DOCUMENTATION

DESCRIPTION

Kristal sil Tixo a two component siliconic elastomer curing at room temperature with reaction of polyaddition (ratio 1:1).

Application

This product is specially formulated with high thixotropy for making clear matrix (**freehand technique**) in dental laboratory, and in the inlays technique in dentistry.

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

Kristal sil Tixo 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

KRISTAL SIL TIXO

Appearance:

Colour:

Odour:

A:	B:
thick fluid	fluid
transparent	transparent
n.a.	n.a.

2) During catalysis

Mixing time	automix
Working time at 23°C	about 1 min.
Reproduction of details	2 micron

- Higher temperatures reduce the times, lower temperatures increase them.

Classification: **ISO 4823 - ADA 19** Type 2 Medium 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 70
Density gr./cc.	: about 1,30
Linear dimensional change	:< 0,2%
Strain in compression	:< 0,1%
Elastic recovery	: 99,8%
Compatibility with gypsum/resins	: excellent

Use

Insert the cartridge into the appropriate dispenser. Take off the cap and before apply the mixing tip ensure that the two components (base and catalyst) flow out evenly applying a light pressure on the dispenser lever and extruding a small quantity of material which must be removed. Then insert the mixing tip in the cartridge and if required, the intraoral tip.

Warning: the cross-linking of **Kristal sil Tixo** may be inhibited by contact with the following materials:

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

Packaging

Storage and shelf life

Kristal sil Tixo is available in packaging of 25 ml.+ 25 ml. in sealed cartridges. **Kristal sil Tixo** can be stored for 36 months and must be kept at a temperature of between 12 e 28 °C in sealed package.

Safety

Refer to Safety Data Sheet of **Kristal sil Tixo**

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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