

24-04-2012 REV. 3.0

## TECHNICAL DOCUMENTATION

### DESCRIPTION

**CHECK SIL** a two component siliconic elastomer curing at room temperature with reaction of polyaddition (ratio 1:1).

#### Application

This product is specially formulated for checking pressure spots and the accuracy of fit of crowns and bridges.

#### Advantages

- 1) quick, easy and accurate auto-mixing application
- 2) optimized mixing time
- 3) minimum waste of material thanks to mini mixing tips
- 4) easy to trim
- 5) doesn't create thickness
- 6) high precision, milky white opaque

#### Principle of Crosslinking

**CHECK SIL** 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=CH<sub>2</sub>.

### Characteristics

#### 1) Before Catalysis

##### CHECK SIL

#### Appearance:

#### Colour:

#### Odour:

<b>A:</b>	<b>B:</b>
fluid	fluid
white	white
n.a.	n.a.

#### 2) During catalysis

Mixing time	automix
Working time at 23°C	about 50"
Reproduction of details	2 micron

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

Classification: **ISO 4823 - ADA 19** Type 3 Very Low 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 80
Density gr./cc.	: about 1,40
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 **CHECK SIL** 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

**CHECK SIL** is available in packaging of 25 ml.+ 25 ml. in sealed cartridges.

**CHECK SIL** 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 **CHECK SIL**

### 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**

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