

Temp Silic addition cure Putty Lab

Description

The **Temp Silic addition cure Putty Lab** is a two component silicones elastomer which polymerize at room temperature by an addition cure reaction.

Applications

This product is specially formulated for use in dental laboratories (key mould technique).

Advantages

- Excellent details reproduction
- Good mechanical properties
- No release of toxic substances during and after curing
- High resistance to inorganic chemicals and UV rays
- Good release properties with organic resin and hydrated plaster of Paris
- Biocompatibility and no toxicity

1. Characteristics 1. Characteristics of the non cured product

Appearance Paste Paste Paste

Colour White + Blue

Specific gravity g/cm³ 1.90

2. Polymerization

Properties

Mixing Time* (at 23°C, seconds °) 30''

Maximum Working Time (at 23°C, minutes, ISO 4823) 2'

Demoulding Time (minutes, ISO 4823) 3'

Remark : *Higher temperatures reduce the times, lower temperature extend the times

Characteristics of the cross linked product On a 6 mm thick specimen

Shore A Hardness (points, after 8 min, ASTM D 2240/C, approx.) 80

Shore A Hardness (points, after 24 hours, ASTM D 2240/C, approx) 90

Instructions. Mix the **product** according to the mixing ratio 1:1. Mix by hand both components until a uniform colour is obtained.

Warning: for mixing use only clean stainless steel or plastic vessels. Crosslinking of TempSilic vulcanising by an addition cure reaction may be inhibited by contact with products like:

- heavy metal salts
- amines
- sulphur and derivatives
- catalysts of epoxy resins
- latex gloves

Retarding liquid (5%)

Retarding liquid can be used in order to increase the working time of Temp Silic silicones, indicated with Tender Flask.

Add 1 retarding drop (using the dropper in the bottle cap) for each pair (A+B) of measuring spoon of silicones.

Ex. If you need a product quantity of 5 spoon of silicon A and 5 spoon of silicon B, you have to add 5 retarding drops.

Packaging

The **TempSilic Dental Duplication by addition cure Putty Lab** is delivered in the following packaging:

TEMPSMR3 1,5 Kg paste A + 1,5 Kg paste B

TEMPSMR10 5 Kg paste A + 5 Kg paste B

TEMPSMRR Retarding liquid

Storage and shelf life

When stored in their original unopened packaging, at a temperature of between – 5°C

and + 30°C. It may be stored for up to 24 months from the date of manufacture clearly marked on the packaging. Beyond this date, Micerium S.p.A. no longer guarantees that the product meets the sales specifications.

Part used drums should be resealed between each use.

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