

24-04-2012 REV. 3.0

TECHNICAL DOCUMENTATION

DESCRIPTION

Occlusil CAD a two component siliconic elastomer curing at room temperature with reaction of polyaddition (ratio 1:1).

Application

This product is specially formulated for high precision bite registration and developed to be used with all CAD CAM systems.

Advantages

- 1) High hardness, avoids the rebound in the articulator
- 2) Compatible with CAD-CAM systems using optical, laser and contact reading
- 3) Good mechanical properties
- 4) Low linear dimensional change
- 5) Does not release toxic substances during and after the curing reaction.
- 6) Can be repositioned in the mouth and on the models after setting

Principle of Crosslinking

Occlusil CAD 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 OCCLUSIL CAD

Appearance:

Colour:

Odour:

A:	B:
fluid	fluid
white	light blue
n.a.	n.a.

2) During catalysis

Mixing time	automix
Working time at 23°C	about 60"
Reproduction of details	2 micron

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

Classification: **ISO 4823 - ADA 19** Type 1 High 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 95
Density gr./cc.	: about 1,35
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 **Occlusil CAD** 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

Occlusil CAD is available in packaging of 25 ml.+ 25 ml. in sealed cartridges.

Occlusil CAD 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 **Occlusil CAD**

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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