

Instructions for use

coltène®

PF PRESIDENT putty / putty soft

Definition:

Coltène® President putty / putty soft are silicone-based impression materials for use in dentistry.

Material type

Polyvinylsiloxane, addition-type silicone elastomer, high viscosity putty material.

putty

Base: yellow

Catalyst: grise clair

- ISO/DIS 4823-1989, Type 0, very high consistency

- ADA Spec. No 19, Type I, very high

- DIN 13913-A1

putty soft

Base: brown

Catalyst: grise clair

- ISO 4823, Type 1, Category A, high

- ADA Spec. No 19, Type I, very high

- DIN 13913-A1

Indications

putty / putty soft

- Primary impression in the putty-wash impression technique

- Tray material for the simultaneous mixing technique

- Tray material for the copperband impression technique

- Impressions for study models, orthodontic models, bite registration, matrices, protective insulation of teeth during flasking of the denture

Contra-indications

Provided that the product is used as directed, there are no known contra-indications.

Trays

Rigid stock trays. For perfect adhesion, a thin layer of coltène® Adhesive should be applied to trays without retentions or perforations.

Dosage

Measure out level scoopfuls of Base and Catalyst.

Attention: Avoid interchanging the color coded measuring scoops, each belonging to one of the components, since there is a risk of contamination!

Mixing

1. Take the base material and the catalyst with the fingertips and start mixing.

4. Knead the material with the fingertips until the color is uniform.

Mixing time:

Both consistencies 45 sec.

Total working time:

 (from start of mixing)

putty ca. 1 min, 45 sec.

putty soft ca. 2 min, 15 sec.

Setting time:

 (from start of mixing)

Both consistencies ca. 4 min, 15 sec.

Minimum time in mouth:

Both consistencies 3 min.

Mixing conditions:

The stated working time is based on measurements at 23°C / 74°F room temperature and 50% relative humidity.

Impression

Insert the tray and press it into position (2-3 sec).

Hold it without pressure until material is set.

Material residue needs considerably more time to set at room temperature. You should therefore

check intraorally if the material is set before

removing from the mouth. Intensive mixing, high temperatures or under-dosage of the catalyst speed up the setting; low temperatures and over-dosage of the catalyst slow down the setting. The setting process is accelerated by high temperatures and may be slowed down by adding coltène® President Retarder.

Important: Skin secretion and latex gloves may interfere with the setting process of Polyvinylsiloxanes. Only knead material with thoroughly washed and dried hands or with vinyl gloves. Compounds containing eugenol or hemostatic substances can also impede perfect setting.

In order to guarantee a faultless cohesion with the wash material, the primary impression must be carefully cleaned and dried before further use.

Side effects / Interactions

Polyvinylsiloxanes have very good biological compatibility and up to now no harmful reactions or secondary effects on patients and/or dental personnel are known. Impression materials are intended to set in the mouth of the patient, however, they should remain in the mouth not more than twice the setting time. Although they have reasonably high tear strength, care should be taken that no portion of the impression material remains in the interdental spaces or in the sulcus. Undercuts should, in certain instances, be blocked out before taking the impression.

Disinfection

The impression should be rinsed under running tap water after it has been removed from the mouth. Even soaking for 30 minutes in liquid disinfectants such as 2% glutaraldehyde (acidic), 0.5-1% sodium hypochlorite, 0.1-1.5% providone-iodine (halogenated phenol) or 0.13% glutaraldehyde (neutral) will not affect surfaces or dimensions. Acrylic trays should be protected against water sorption.

Manufacture of models

Die stone models can be poured at the earliest after 30 minutes. The impression remains dimensionally stable for a practically unlimited period of time (for at least 7 days). The surface tension will be reduced and pouring will be facilitated if the impression is briefly washed out with a detergent and rinsed thoroughly in clear water afterwards. Coltène impression materials are compatible with all dental stones (e.g. Velmix, Fuji-rock), epoxy resin and polyurethane.

Electro-Plating

Compatible with all commercially available copper plating and silver plating baths.

Cleaning of trays

The impression can be removed with a blunt instrument. Soaking in a universal commercial solvent or light petrol will dissolve the coltène® Adhesive. These solvents should only be used in a well-ventilated area. The trays can be cleaned and disinfected as usual.

Shelf life and storage

At least 24 months as from date of manufacture in well sealed containers at temperatures 15 - 23°C / 59 - 77°F and 50% relative air humidity. Impressions should be stored at normal room temperature, exposure to heat and sun should be avoided.

Marking

The date of manufacture and the batch number are visible on the containers.

Technical data

- putty ISO/DIS 4823-1989

- putty soft ISO 4823

Strain in compression (min.):

putty 1.3 %

putty soft 2.0 %

Compression set (max.):

Both consistencies 1.0 %

Elastic recovery (min.):

Both consistencies 99.0 %

Dimensional change after 24 hours:

putty -0.20 %

putty soft -0.25 %

Dosage ratio by volume and weight:

Both consistencies 1:1

Mixing volume:

Both consistencies 600 ml

Instructions for use date

October 1991

Important Remarks

Guidance on application technology, whether verbal, written or through demonstration based on best knowledge of the current state of technology in dentistry and should be regarded as not binding instructions also concerning protection of possible legal rights of third parties. It does not release the user from his duty of personally controlling the product regarding suitability for his intended purposes and methods. This particularly applies to use in procedures which are not expressly recommended.

Application, use and processing of the product are beyond our control and are subject to the responsibility of the user. Eventual liability damages is restricted to the value of the product delivered by us and employed by the user. We guarantee the impeccable quality of our products within our conditions of sale and delivery. Only supplied to dentists and dental laboratories or upon their instructions.

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