



Vinylpolysiloxane Hydrophilic Addition Silicone

DSI UltraSil



INSTRUCTIONS FOR USE

DSI UltraSil is a pre-impression (UltraSil Putty) and correction impression material (UltraSil Light) based on A-silicone for all two-phase impression techniques

INDICATIONS

- Crown and bridge impressions.
- Inlay and onlay impressions.

FEATURES

This vinyl polysiloxane bite registration material mixes easily without streaking and provides a firm set.

CLASSIFICATION

UltraSil Putty: ISO 4823, type 0: Putty consistency.

UltraSil Light: ISO 4823, type 3: Light-bodied consistency.

INGREDIENTS

Addition curing vinyl polysiloxanes, hydrogen polysiloxanes, fillers, pigments, additives, platinum catalyst.

SPECIFICATIONS

UltraSil Putty:

- Mixing time (room temperature) – 30 seconds.
- Working time – 120 seconds.
- Hardening time (inside mouth) – 180 seconds.
- Recommended mouth removal time – 3.5 minutes.
- Dimensional change – $\leq 0.5\%$.
- Compression set – $\leq 0.7\%$.
- Strain in compression – 1.7%.

UltraSil Light:

- Mixing time – 0 (automix).
- Working time – 60 seconds.
- Hardening time (inside mouth) – 150 seconds.
- Recommended mouth removal time – 3 minutes.
- Dimensional change – $\leq 0.3\%$.
- Compression set – $\leq 0.4\%$.
- Strain in compression – 3.5%

DIRECTION FOR USE

Hand-mix (UltraSil Putty):

1. Take equal measures of the base and catalyst from the jars, using respectively colored spoons. Close the jars tightly using the same color lids. Do not switch the covers or spoons!
2. Knead the base and the catalyst at the equal ration for 30 seconds with your fingertips, until the color becomes homogenous.

Auto-mix (UltraSil Light):

1. Load the cartridge in the dispensing gun.
2. Remove the cartridge cap and discard.
3. Gently squeeze the dispenser and bleed a pea-size portion of the material to ensure even flow of the base and catalyst.
4. Attach the mixing tip.

5. Squeeze the dispenser in order to extrude the material.
6. Store the cartridges on end with the used mixing tips attached to protect from contamination.
7. Bleed the cartridge before each use.

UltraSil Putty can be used in all common impression trays. We recommend applying a thin layer of tray adhesive to all trays to improve the accuracy of the impression.

Double-mix impressions:

1. Fill the tray with the **UltraSil Putty**.
2. Cartridge the preparations with **UltraSil Light**.

Important: the filling of the impression tray and the syringing should be completed at the same time: higher intra-oral temperature leads to faster setting of the material.

3. Place the filled tray in the mouth and allow the impression to fully form.
4. Remove the impression once the setting time has passed.

Correction impressions:

1. Fill the tray with the **UltraSil Putty**.
2. Insert into the mouth and maintain the position according to the recommended intra-oral setting time.
3. Remove the impression once the setting time has passed.
4. Cut drainage channels generously into the impression and remove imperfections.
5. Rinse thoroughly and dry.
6. Apply the **UltraSil Light** around the preparation and on the pre-impression.
7. Place the tray in mouth and instruct the patient to apply a brief pressure.
8. Remove the impression once the setting time has passed.

Remove of the impression:

1. Take out the impression parallel to the longitudinal axis.
2. Rinse under running water for 15 seconds.

CLEANING AND DISINFECTION

Disinfect using dipping solutions only (we recommend 2% glutaraldehyde solutions).

Important: please ensure that the chosen disinfectant is indicated for use with addition curing silicone materials.

Disinfection can be accomplished with any appropriate disinfectant following the original manufacturer's procedures.

CASTING AND GALVANIZATION

The impression should be cast 30 minutes at the earliest after removal from the mouth. We recommend using special purpose hard plaster (ISO 6873 Type 3) for casting and an ultra-hard dental plaster for the forms (ISO 6873 Type 4).

The impression could be copper- or silver-plated.

GENERAL PRECAUTIONS

Review instructions, precautions, and SDS before beginning treatment. Use only as directed. Avoid contact with retraction solutions, because it can increase the setting time. Never allow the impression to contact the organic solvents. This may result in a swelling of the material and therefore lead to inaccurate casting. Using of natural rubber or latex gloves is not recommended, it may inhibit the setting process. PVC or Polyethylene based gloves should be used.

STORAGE

UltraSil Putty:

Store at room temperature (under 25°C) in a dry place.

Do not store in the fridge or freezer. Avoid direct sunlight exposure.

The impression is stable and can be cast even after 30 days without loss of accuracy.

Keep out of reach of children.

UltraSil Light:

Store in a dry place (humidity < 50%) at the room temperature (+5°C...+25°C).

Do not store in the fridge or freezer.

Avoid contact with moisture and direct sunlight! Return to box after use.

Confirm that patient has no known allergies to treatment materials.

Test flow of materials from syringe and tip before using intraorally. Use syringe cover or clean & disinfect syringes between patients. Keep out of reach of children.

PACKAGING

DSI UltraSil Putty:

Base 400g / **Catalyst** 400g, **2x** Mixing Scoops – Ref: **US-P300**

Base 50g / **Catalyst** 50g – Ref: **US-P50**

DSI UltraSil Light:

2x Dual-port Cartridge **50ml/80g** – Ref: **US-LB50**

Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.

The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.

SYMBOLS



Consult instructions for use



Caution, consult accompanying documents



Temperature limit



Keep away from sunlight



Keep dry



Manufacturer



Catalogue number



Batch code



Use by



Date of Manufacture