Take 1® Hydro™

VPS Impression Material

Instructions For Use

Manufactured For:
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DESCRIPTION

Take 1® Hydro™ impression materials are addition-silicone, elastomeric materials with hydrophilic properties, high tear strength, dimensional accuracy, and a high resistance to permanent deformation.

The Take 1® Hydro family consists of different viscosities (Heavy, Medium, and Light body), available in an assortment of delivery systems: standard 1:1 (50 ml automix cartridges) and 5:1 (380 ml cartridges) for use in most commercially available automatic dispensing and mixing machines.

INDICATIONS FOR USE

Take 1® Hydro Heavy Body is to be used as heavy bodied material for:

- One-step impression technique (simultaneous technique) using single or dual viscosities
- Two-step impression technique using dual viscosities
- Functional impressions

Take 1® Hydro Medium Body is to be used as medium bodied tray or syringeable impression material for:

- Taking impressions of fixed/removable restorations and implants (i.e., transferring impression posts and bridge components)
- Functional impressions

Take 1® Hydro Light Body Wash is to be used as syringeable impression material for:

- Fabricating crown and bridge or inlays
- Fabricating full or partial dentures
- Reline impressions
- Use in the simultaneous mixing technique as well as the putty-wash and Multi tray techniques
- Transferring root posts when fabricating posts and cores indirectly

Take 1 Hydro Light Body Wash is to be used as syringeable impression materials for:

- Two-step putty-wash impression technique
- One-step putty-wash impression technique
- One-step impression technique using a foil (plastic putty spacer)
- One-step impression technique (simultaneous technique) using dual viscosities
- Reline impressions
- Fabricating full or partial dentures

WARNINGS/CAUTIONS

Do not use Take 1® Hydro impression materials as a provisional liner.

Do not use Take 1® Hydro impression materials with condensation - silicones, polyether, Vinylsiloxanether® or polysulfide materials.

Do not use after expiration date.

Do not leave any residual impression material in the sulcus or oral cavity.

Do not swallow impression material! If swallowed: consult a medical doctor if problems arise or persist.

Avoid contact with eyes. If accidental contact with the eyes occurs, rinse immediately and thoroughly with an eye wash or water. Consult a medical doctor if problems arise or persist.

These products do not normally cause allergic reactions. However, for sensitive persons, an allergic reaction to the products cannot be ruled out.

Use of products containing active sulfur, aluminum chloride or nitrogen compounds (retraction cords containing ferric sulfate, polysulfide impression materials, etc.) in conjunction with this product will interfere with the setting reaction of the vinyl polysiloxane material. Use of the materials requires the area to be rinsed thoroughly to remove all residue, before an impression is taken. Do not use latex gloves.

When taking impressions of areas with severe undercuts and wide interdental spaces, use standard block-out techniques.

When using a custom impression tray, ensure that sufficient space remains between the side of the tray and the teeth/jaw.

Do not allow the material to enter the sewer or water system to avoid environmental contamination.

Avoid contact with clothing, since the material cannot be removed by dry cleaning.

PRECAUTIONS

Always verify expiration date of product prior to use.

ADVERSE REACTION

None Known.

INSTRUCTIONS FOR USE

Impression Tray: Preparation and Adhesives

When retention is not sufficient, ensure a strong bond to the impression material, by brushing the impression tray with a thin film of VPS adhesive for addition silicone prior to loading the tray with impression material. Allow to dry per manufacturer’s instructions.

Instructions for MEGAmix System (380 ml cartridge system; 5:1)
Prior to first use unscrew the blue plug counterclockwise and pull it out. Check the outlet opening. Then screw on the MEGAmix mixer. Ensure that the positioning aid is on the top.
Use only the dispensing and mixing components compatible with the Take 1 Hydro 380 ml cartridge system for dispensing and mixing impression material. The Take 1 Hydro 380 ml cartridge is heavy and could be damaged if dropped. Damaged cartridges must not be used under any circumstances.

Please follow the instructions for the automatic dispensing and mixing system you are using. When changing to a new cartridge, always discard at least 3 cm of mixed material.

**Using the cartridge for the first time**

- Dispense the impression material (ensuring that the MEGAmix mixer is screwed into place completely) until the base material and catalyst are mixed homogeneously. Discard at least the first 3 cm when dispensing.
- Load the impression tray with the required amount of material by pressing the appropriate feed key. Hold the impression at an angle when loading and press against it lightly. Leave the mixer submerged in the material when dispensing to avoid air bubbles.
- Release the feed key as soon as the required amount of material has been dispensed.
- Remove the used mixer before the next application.
- Remove any uncured paste using a cloth soaked in alcohol.
- Remove the cartridge cap or the filled mixing tip and check the cartridge outlet openings to ensure that no polymerized materials have sealed the openings. Before using the cartridge again, remove the cartridge cap or the filled mixing tip and check the cartridge outlet openings to ensure that no polymerized materials have sealed the openings.

**How to Change MEGAmix 380ml Mixing Tip**

Screw a new MEGAmix mixing tip onto the mixing unit and begin the new application (material no longer has to be discarded). Proceed with the application as described in directions above.

**Instructions for Inserting Cartridge into 50 ml Extruder Gun**

Insert cartridge with notch in collar of cartridge down to match protrusion of extruder. Push metal lever at back of extruder up (toward plunger assembly) and pull back on plunger assembly until assembly is fully retracted. Snap lock assembly down locking cartridge into place.

**Attaching Mixing Tip to Cartridge**

Bleed cartridge before use. Install a mixing tip on the cartridge and turn tip 90 degrees in a clockwise direction to lock in place. Inject the required amount of material, e.g., directly into the tray or the preliminary impression, or into an intraoral syringe. To apply the material around the prepared teeth use the intraoral syringe or the cartridge with an intraoral tip on the mixer. Check to ensure materials are set completely until the base material and catalyst are mixed homogeneously. Discard at least the first 3 cm when dispensing.

Before using the cartridge again, remove the cartridge cap or the filled mixing tip and check the cartridge outlet openings to ensure that no polymerized materials have sealed the openings. Clear any clogged openings and dispense a small amount of impression material until equal amounts are extruded at the same rate.

**NOTE**

Work time is based on material at 23° C (74° F). Set or removal time is based on material at 35° C (95° F). These times may vary based on storage conditions, temperature, humidity, and age of product.

**Cleaning and disinfection of the Extruder Gun**

- Remove the cartridge.
- Remove any uncured paste using a cloth soaked in alcohol.
- The dispensing gun can be used several times if properly disinfected. Exchange the gun if there are visible traces of use. Disinfection can be carried out using a commercially available dipping disinfectant. Or use glutaraldehyde-based solutions.

**Model Preparation**

For model fabrication, the impression can be poured after disinfection. Impressions can also be poured within two weeks with standard dental stone (class III - V).

**STORAGE**

Store in a dry place at room temperature; do not expose to sunlight and avoid exposure to extreme temperature fluctuations.

**DISINFECTION**

Impressions can be disinfected using a 2% acidic glutaraldehyde solution. Refer to manufacturer’s directions for time, dilution and solution temperature recommendations.

**SHELF LIFE**

Refer to outer package for expiration date. Do not use after expiration date. For professional use only. Caution: Federal (U.S.A.) Law restricts this device to sale by or on the order of a dentist.

**LIMITED WARRANTY**

Kerr’s technical advice, whether verbal or in writing, is designed to assist dentists in using Kerr’s product. The dentist assumes all risk and liability for damages arising out of the improper use of Kerr’s product.

In the event of a defect in material or workmanship Kerr will replace the defective product or part thereof, or reimburse the actual cost of the defective product. In order to take advantage of this limited warranty, the defective product must be returned to Kerr.

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