



Aquasil™ Ultra Monophase DECA – Regular Set

**Smart Wetting® Precision Impression Materials based
on quadrafunctional hydrophilic siloxanes for dynamic
mixing**

Aquasil™ Ultra Monophase DECA – Regular Set

Smart Wetting® Precision Impression Materials for dynamic mixing

CLASSIFICATION

Quadrafunctional hydrophilic addition reaction silicone impression material.
Type 2: Medium-Bodied Consistency.

DESCRIPTION

Aquasil™ Ultra Impression Materials are suitable for all precision impression techniques where excellent hydrophilic properties, dimensional accuracy, high tear strength and resistance to permanent deformation is needed.

Aquasil Ultra Impression Materials comply with the requirements of ISO 4823 for dental elastomeric impression materials.

Caution: for dental use only.

INDICATION FOR USE

Aquasil™ Ultra Monophase DECA is a medium viscosity impression material with optimum flexibility for easy removal as well as improves both wetting of the tooth surface and model detail reproduction. It is for universal use as a tray material for the double mix technique or as primary impression material for the monophase technique. Aquasil Ultra Monophase DECA is not recommended for use with the correction technique.

	Double Mix Technique	Correction Technique
Aquasil LV	OK	Not recommended
Aquasil ULV	OK	Not recommended
Aquasil Ultra LV Regular Set	OK	Not recommended
Aquasil Ultra LV Fast Set	Not recommended	OK
Aquasil Ultra XLV Regular Set	OK	Not recommended
Aquasil Ultra XLV Fast Set	Not recommended	OK

CONTRAINDICATIONS

Do not use as a temporary reliner.

Do not use in combination with a polyether, condensation cured silicone or polysulfide material.

PRECAUTIONS and WARNINGS

1. Use normal surgery techniques to prevent inhalation and ingestion of low viscosity impression materials.
2. Remove unset Aquasil Ultra Impression Material from clothing with a suitable cleaning solvent.

INTERACTIONS WITH OTHER MATERIALS

1. Astringents based on aluminum salts may interfere with the setting reaction of vinyl polysiloxanes. Please consult instructions for use of astringent to be used.
2. Aquasil Ultra Impression Materials should not be mixed with, or used in conjunction with polyether materials, condensation cured silicones or polysulfide.
3. "Sulphur-containing" polymeric gloves may interfere with the setting reaction of Aquasil Ultra Impression Materials.
 - Do not touch retraction cords. Handle cords with college pliers.
 - Do not touch prepared tooth.

PREPARATIONS

Tray	Silfix Adhesive should be used in all techniques with all types of impression trays. Brush a thin layer of Silfix onto tray and allow to dry for 3 minutes.
Filling the delivery cylinder	Insert the DECA foil packs into the respective chambers of the DECA delivery cylinder. Line up the notch of the foil pack cap for correct position on the delivery cylinder.
Activation	Firmly press the cap of each new foil pack onto the delivery cylinder to activate.
First Usage	Before attaching the dynamic mixing tip to a new foil package extrude at least 1 cm of base and catalyst paste (bleeding) using your dynamic mixing device to ensure that both pastes are evenly dispensed.

DISINFECTION

The impression can be disinfected with a standard disinfecting solution or spray.

TRAY CLEANING INSTRUCTION

Use standard methods to clean the tray after removal of the impression material. Fix Solvent may be used to help removing any remaining layer of Silfix.

DISPENSER CLEANING INSTRUCTION

The dispenser may be cleaned with commercially available detergents. Do not use an organic solvent that may tend to dissolve the plastic dispenser and plunger. The dispenser may also be disinfected in an approved commercially available solution.

CASTING AND ELECTROPLATING

To avoid surface porosity of models, delay pouring with plaster for 15 minutes. The impression may be poured up to fourteen days later.

The material is compatible with a range of die materials including epoxy materials and may be silver or copper plated. Wait 60 minutes before start of plating or pouring with epoxy.

TECHNICAL DATA	Aquasil Ultra Monophase DECA Regular Setting
Classification ISO 4823:1992	Type 2: Medium consistency, medium bodied
Mixing technique	Extrusion via Dynamic Mixing Tips
Mixing ratio	5 : 1
Mix time	Not applicable
Total time for application ¹	2:15
Minimum time in mouth	2:45
Setting time ²	5:00 from start of mix
Linear dimensional change (ISO)	< 0.50%
Maximum strain in compression (ISO)	3% - 4%
Recovery from deformation (ISO)	> 98%
Detail reproduction	< 20µm

STORAGE

Store Aquasil Ultra Impression Material between 18 - 25 °C and 50% ± 20% relative humidity.

Do not store impression in direct sunlight.

BATCH NUMBER AND EXPIRY DATE

The batch number should be quoted in all correspondence which requires identification of the product.

Do not use after expiry date.

¹ Describes the time from the start of mix till the impression has to be seated and corresponds to the ~~Total Work Time (ISO) for hand mixed materials and to the Minimum Work Time (including mixing time) (ADA) for cartridge materials.~~

² Total time for application and minimum time in mouth.

If you have any questions, please contact:

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