

Doric Definition Addition Cured Silicones Instructions for Use

Introduction

The Doric Definition range of polysiloxane impression materials being Doric Definition Super Soft Putty in tubs and Doric Definition High Definition Wash in cartridges are manufactured to conform to EN ISO 4823.

Indications

Crown and bridge impressions where high definition is required.

Contra-Indications

Not for use with standard condensation cured silicone impression materials. Only use Doric Definition High Definition Wash in conjunction with Doric Definition Super Soft Putty.

Preparation

1. Apply one thin even coat of Doric adhesive to the impression tray where necessary and allow to dry for 3 minutes.
2. When mobile teeth or extreme undercuts are present block these out before taking the impression.
3. Seat the impression material using firm initial pressure for the first 5 seconds, then hold under light pressure until the material is fully set (for a minimum of the indicated setting time).

Mixing and dispensing -

Doric Definition Super Soft Putty

1. Dispense equal parts base and catalyst using the coloured scoop for the base and the white for the catalyst. Mix for at least 30 seconds until a homogeneous colour is obtained.
2. Only mix wearing nitrile gloves since some latex gloves interfere with the set of addition cured silicones. Residues from the gloves may remain on the hands even after thorough washing.
3. Avoid interchanging lids or scoops since this will cause contamination and loss of properties cured silicones.

Mixing and dispensing -

Doric Definition High Definition Wash in Cartridges

1. When using a cartridge for the first time, discard the first 3cm of material.
2. Leave used tips on cartridge until next time of use.
3. Before attaching a mixing tip to the cartridge ensure that apertures are clear and unblocked and if necessary scrape set material away. Inspect initial material extruded into mixing tip to check both white and yellow pastes can be seen.
4. At all times keep cartridge well away from clothing. (In case of accidental spillage onto clothing, let material fully set before gently peeling it away).

Techniques

The preferred technique is to syringe Doric High Definition Wash around the gingival margins whilst the mixed Doric Definition Super Soft Putty is being loaded into the impression tray so that both materials set together. This method saves time and avoids the risk of steps on the final impression.

As an alternative the double impression technique may be used. Mix the Doric Definition Super Soft Putty and load into the tray. Place a separator wafer (such as the Doric Wafer) on top of the putty and insert in the mouth. When set, remove impression and thoroughly clean and dry. Cut channels to allow any excess wash material to escape. Syringe the Doric High Definition Wash around the gingival margins and a thin layer all around the impression. Re-insert into the mouth.

The minimum time until the impression can be poured is 30 minutes. There is no maximum time. All impressions can be copper or silver plated.

Disinfection and Model Preparation

The Doric Definition range can be disinfected with standard solutions recommended for disinfecting vinyl polysiloxanes. The recommended disinfectant is 2% glutaraldehyde solution since this solution has been tested with impression materials by both ADA and DGZMK. Rinse the impression before and after disinfecting and follow the instructions of the solution manufacturer to ensure that the disinfection procedure will not alter the potential of the impression for optimum performance.

Note: Before casting, always rinse stored impressions briefly under cold running water. Two named suitable gypsum products are Moldano (Type 3) and Schottlander System Stone (Type 4).

Storage

Store in a cool dry place at a temperature below 23°C. Do not refrigerate. The longest shelf life is obtained when the material has been stored between 15-20°C.

Health & Safety

Keep away from eyes and clothing. After use wash thoroughly with soap and water. In rare cases some people may develop sensitivity to constituents.

For further information request safety datasheets

LOT Number & Expiry Date

The lot number and expiry date are shown on all containers. See above for storage instructions.

This product is specifically formulated for use in dentistry.

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Properties	Doric Definition Super Soft Putty	Doric Definition High Definition Wash in cartridges
Indications	Primary impression material for the single and double impression technique	Wash impression for use with Doric Definition Super Soft Putty
Classification EN ISO 4823	Type 0 Very high consistency putty	Type 3 Low consistency light bodied
Colour code: Base Catalyst	Aquamarine White	Yellow White
Mixing accessories	measuring spoons	12 each mixings & intraoral tips
Dosage Base/Catalyst	1:1	1:1
Mixing time	45 seconds	-
Total working time*	1 minute 45 seconds	1 minute 45 seconds
Intraoral working time	-	45 seconds
Minimum time in mouth	2 minutes 15 seconds	2 minutes 15 seconds
Strain in compression	-2.1	- 4.0
Recovery from deformation	99.4%	99.65%
Linear dimensional change	0.4%	0.35%
Shore-A hardness (after 24 hrs)	~ 63	- 45
Compression set	0.6%	0.35%

* From start of mixing at 23°C.

Times and other characteristics are quoted at normal room temperature 23°C and normal relative humidity of air (50%). Higher temperatures shorten and lower temperatures prolong these times. Times and physical properties may be affected by hand/finger tip temperatures when kneading putty mixes, moisture contamination or contamination due to direct contact with impurities from gloves used in clinical practice or the presence of such contaminants on teeth at the time of the impression.