

Product information

Individualizing VITA ENAMIC® restorations

For *intraoral* and *extraoral* individualization and layering, for subsequent application of contact points and closure of trepanated crowns or crowns featuring a screw channel, etc., light-curing methacrylate-based composites, particularly low-viscosity filling composites, are a suitable choice as they can be easily applied and adapted to the restoration.

In addition, indirect veneering composites, e.g. such as VITA VM LC *flow*, may also be used for *extraoral* applications. The surface of the VITA ENAMIC restoration to be individualized must first be roughened and conditioned using a suitable bonding agent. When using VITA VM LC *flow* in particular, the VITA ENAMIC surface is first silanized and then moistened using VITA VM LC Modelling Liquid. Please observe the working instructions 10384E.

Conditioning the surface

The surface of the VITA ENAMIC restoration to be individualized must be roughened and oil-free to ensure perfect bonding to the composite.

Adhesion of residue such as milling liquid or lubricant (such as Dentatec) to the surface is not permitted. Remove these either by spraying off or using an ultrasonic bath.

The level of surface roughness immediately following CAM processing is sufficient for individualization. If subsequent reworking of the surface has reduced the level of roughness, one of the following three methods can be used to increase roughness again:

- Roughening with a diamond bur.
- Sandblasting using Al₂O₃, max. 50 µm and a blasting pressure of max. 1 bar*.
- *Extraorally* only (!): etching with a 5% hydrofluoric acid gel such as VITA ADIVA CERA-ETCH as follows:

Using a small disposable brush, apply VITA ADIVA CERA-ETCH to the surfaces to be etched.

Etching time: 60 sec.

Once the application time is complete, remove any residual acid from the etched surface by rinsing off with copious amounts of water, by cleaning thoroughly using a steam jet device, or by cleaning in an oil-free ultrasonic bath using distilled water.

Do not brush off, as this would lead to significant surface contamination.

- Surfaces sandblasted using Al₂O₃ must also be cleaned thoroughly.
- After cleaning, the surface should no longer be touched.
- Apply bonding agent to the roughened surface.
- Application of the composite.

Recommended products for individualization of VITA ENAMIC** restorations

	Manufacturer	Light-curing filling composite / veneering composite	Bonding agent
intra- and extraoral Use	Kuraray	Clearfil Majesty Flow	Clearfil Ceramic Primer Plus
	Ivoclar Vivadent	Tetric EvoFlow	Monobond plus
	3M ESPE	Filtek Supreme XTE Flowable	Scotchbond Universal
extraoral use	VITA	VITA VM LC <i>flow</i>	Silanization using VITA ADIVA C-PRIME, followed by VITA VM LC Modelling Liquid

**Intraoral* corundum abrasive materials: Cojet sand, 30 µm (3M ESPE) or Micro Etcher aluminium oxide 50 µm (American Dental Systems).

Intraoral sandblasting with corundum, recommended devices: CoJet Prep (3M), Dento-Prep (Rønvig), Micro Etcher (American Dental Systems), Accuprep (Bisco), Airsonic Mini Sandblaster (Hager & Werken)

****Please observe the instructions for use provided by the corresponding manufacturer and ensure that your polymerization device offers the luminous intensity and wavelength required in order to set the composite fully.**

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VITA – perfect match.

VITA