

Product information

Individualizing restorations made from VITA ENAMIC®

Special light-curing methacrylate-based composites, in particular low-viscous composites, are suitable for direct and indirect individualization steps, such as subsequent application of contacts and minor adjustments of the shape, etc., since these composites can be easily applied on and adapted to the restoration. Moreover indirect veneering composites, such as VITA VM LC, are also suitable for extraoral use. It is recommended to condition the surface of the ENAMIC restoration to be individualized with a suitable bonding agent prior to the individualization. In particular, when using VITA VM LC, the surface of ENAMIC is silanized first and then wetted with VITA VM LC Modelling Liquid.

Conditioning the surfaces to be individualized

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

Adhesion of residues of milling liquid and lubricant (such as Dentatec) to the surface must be avoided. Use water spray or clean in an ultrasonic unit to remove any residues.

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

- Roughen with diamond bur.
- Sandblast with Al₂O₃, max. 50 µm and a pressure of max. 1 bar
- Extraoral only (!): etch with 5% hydrofluoric acid gel such as VITA CERAMICS ETCH as follows:

Use small disposable brush to apply VITA CERAMICS ETCH to surfaces to be etched.

Etching time: 60 sec.

Once the application time has come to an end, completely remove any residual acid from the etched surface by spraying 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 with Al₂O₃ must also be cleaned thoroughly.
- After cleaning, the surface must not be touched any longer.
- Apply bonding agent to the roughened surface.
- Application of the composite.

Products recommended for individualizing restorations made from VITA ENAMIC*.

Manufacturer	Light-curing composites/veneering composite	Bonding agent
Kuraray	Clearfil Majesty Flow	Clearfil Ceramic Primer
Ivoclar Vivadent	Tetric EvoFlow	Monobond plus
3M Espe	Filtek Supreme XTE Flowable	Scotchbond Universal
VITA	VITA VM LC	Silanization (e.g. with VITASIL), then apply VITA VM LC Modelling Liquid

***Please observe the instructions for use of the corresponding manufacturers and make sure that your polymerization unit features the luminous intensity and wavelength required for complete curing of the composite.**

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Tetric EvoFlow is a registered trademark of Ivoclar Vivadent AG, Liechtenstein
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VITA shade, VITA made.

VITA