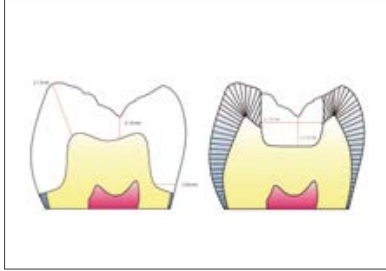


VITA ENAMIC® Quick Instruction Guide

VITA ENAMIC is the first hybrid dental ceramic in the world with a dual-network structure.

For processing VITA ENAMIC you require the CEREC / inLab MC XL system with the software version CEREC / inLab 3D ≥ V4.0*. You also require the special VITA ENAMIC Material Service Pack, which can be downloaded from from the Sirona website.



Preparation/wall thicknesses

- Follow the general guidelines for preparation and design suitable for ceramic restorations
- Posterior crowns: At the bottom of the fissure: at least 1.0 mm; in the area of the cusps: at least 1.5 mm; circumferential: 0.8 - 1.5 mm
- Inlays: At the bottom of the fissure: at least 1.0 mm; in the area of the isthmus: at least 1.5 mm



Designing the restoration

- Selecting VITA ENAMIC in the material menu
- Drawing the preparation margin
- Defining the insertion axis
- If applicable: modifying design suggestion



Extraoral polishing

- The first step is to contour the restoration,
- The second step is the prepolishing/high gloss polishing with the VITA ENAMIC Polishing Set.
- As a rule: when reworking, exert only slight pressure and use water if possible.



Fine intraoral corrections (after adhesive cementation)

- Repolishing with the pink polishers of the VITA ENAMIC Polishing Set while cooling with water
- High gloss polishing with the grey diamond-coated polishers of the VITA ENAMIC Polishing Set

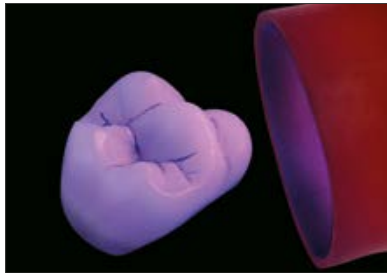


Optional: shade characterization (staining technique)

- Conditioning the surface: either sandblast with Al_2O_3 or etch with hydrofluoric acid gel
- Residue must be carefully removed and the surface silanized.
- Mix stain powder with VITA ENAMIC STAINS LIQUID (note: processing time 10 min).



- Applying shade, intermediate polymerization, sealing shade application with VITA ENAMIC GLAZE, final polymerization.



- The following polymerization units are recommended for the light-curing of the VITA ENAMIC STAINS: Bluephase C8 (Ivoclar Vivadent), Astralis 10 (Ivoclar Vivadent), Valo (Ultradent), Speed Labolight (Hager&Werken), Heraflash (Heraeus Kulzer) and PolyLux PT (Dreve).
- Required spectral range: 350 – 500 nm.



Optional: individualization (layering technique)

- VITA ENAMIC can be veneered, e.g. with VITA VM LC veneering composite (layering technique), for instance for modelling a contact point or making small corrections to the contour.



Bonding the restoration

Conditioning the tooth substance

- Applying the adhesive system (primer/bonder) to the prepared tooth.
- If present, any enamel areas should be etched with phosphoric acid gel for 30s.



Conditioning the restoration

- Etching the inner surface with hydrofluoric acid gel (60 seconds)
- Acid residue must be carefully removed
- Applying silane to the etched surfaces
- Applying the bonder



Seating the restoration

- Applying the adhesive composite
- Inserting the restoration
- Light curing (Please follow manufacturer's instructions!)

For further information about VITA ENAMIC please see the working instructions No. 1767 and VITA ENAMIC STAINS KIT working instructions No. 1931 and www.vita-enamic.com.

*) Users with older hardware and software versions select the material VITABLOCS Mark II, I14 for the processing of VITA ENAMIC blanks.