**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 will need the CEREC / inLab MC XL system with the software version CEREC / inLab 3D ≥ V4.0*.

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### Preparation/wall thicknesses
- Follow the general guidelines for preparation and design suitable for ceramic restorations
- Posterior crowns: Occlusal: at least 1.0 mm; circumferential: at least 0.8 mm
- Inlays: Occlusal: at least 1.0 mm; in the area of the isthmus: at least 1.0 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)
- Prepolishing 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 etch with hydrofluoric acid gel or sandblast with $\text{Al}_2\text{O}_3$
  - Residue must be carefully removed and the surface silanized.
  - Mix stain powder with **VITA ENAMIC STAINS LIQUID** (note: processing time 10 min).

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**VITA shade, VITA made.**
– 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).

Optional: individualization (layering technique)
– VITA ENAMIC can be individualized with VITA VM LC flow veneering composite (layering technique), for example.

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!)

More information on processing can be found in the VITA ENAMIC Working Instructions No. 1982 and VITA ENAMIC STAINS KIT Working Instructions, No. 1931 and at www.vita-enamic.de

*1 Users with older hardware and software versions select the material VITABLOCS Mark II, I 12 or I14 for the processing of VITA ENAMIC blanks.