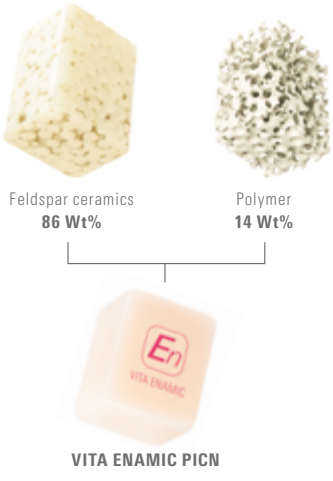


VITA ENAMIC®

Hybrid ceramic using PICN technology

The fundamentals of indication, preparation, bonding and polishing

VITA ENAMIC is the world's only dental hybrid ceramic based on PICN (Polymer Infiltrated Ceramic Network) technology. The unique combination of ceramic and polymer network combines strength and elasticity in a single material, opening up new possibilities for precise, efficient and minimally invasive treatment.



VITA ENAMIC – Your benefits:

- Gentle and substance-preserving preparation, as restorations can be ground very precisely and thinly.[7,11,12]
- Wide range of indications from table tops to non-prep veneers.[8,9,16]
- Load capacity and elasticity almost identical to natural teeth.[1,4,5,6,15]
- Superior esthetic with integrated natural shade gradient.[14]
- Antagonist- and enamel-friendly.[15]
- Particularly suitable for implant-supported restorations:
  The unique PICN technology supports load-adaptive material behavior and helps distribute masticatory forces more effectively.[1,2,3,12]

For references see back cover

Overview of indications		Recommended materials
Anterior and posterior crowns on implants		**VITA ENAMIC HT[1]** **VITA ENAMIC HT multiColor[2]**
Anterior and posterior crowns		**VITA ENAMIC HT[1]** **VITA ENAMIC HT multiColor[2]**
Inlays / Onlays / Partial crowns		**VITA ENAMIC ST[3]**
Table tops		**VITA ENAMIC ST[3]**
Veneers		**VITA ENAMIC HT[1]** **VITA ENAMIC HT multiColor[2]**

Contraindication

- Bridge restorations
- Free-end restorations
- Parafunction (for example bruxism)

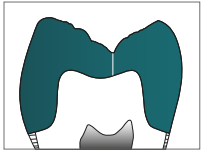
[1] High translucent material
[2] For particularly high esthetic requirements
[3] Super translucent material type with distinctive chameleon effect

To ensure clinical success of restorations made from VITA ENAMIC, the following minimum layer thicknesses must be adhered to:



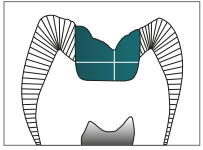
Anterior crowns

Incisal: **at least 1.0 mm**
Circumferential: **at least 0.8 mm**



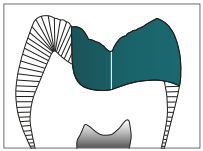
Posterior crowns

Occlusal: **at least 1.0 mm**
Circumferential: **at least 0.8 mm**



Inlays

Occlusal: **at least 1.0 mm**
Area of the isthmus: **at least 1.0 mm**



Onlays

Occlusal: **at least 1.0 mm**

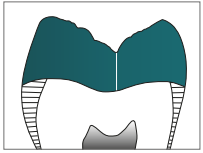
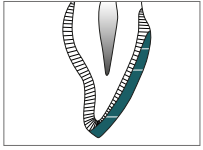


Table tops

Occlusal: **at least 1.0 mm**



Veneers

Incisal: **at least 0.3 mm**
Labial: **at least 0.3 mm**
Cervical: **at least 0.2 mm**

VITA classical A1-D4® shades

NEW*

Variations	A1	A2	A3	A3.5	A4	B1	C1
VITA ENAMIC HT High Translucent monochromatic							

*available from autumn 2026

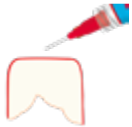
Geometry sizes:
VITA ENAMIC (monochromatic)**:**
EM-14: 12 x 14 x 18
EM-10: 8 x 10 x 15
VITA ENAMIC multiColor:
EMC-14: 12 x 14 x 18
EMC-16: 18 x 16 x 18

VITA SYSTEM 3D-MASTER® shades

Variations	0M1	1M1	1M2	2M1	2M2	2M3	3M1	3M2	3M3	4M2
VITA ENAMIC ST Super Translucent monochromatic										
VITA ENAMIC HT High Translucent monochromatic										
VITA ENAMIC HT multiColor High Translucent multichromatic										

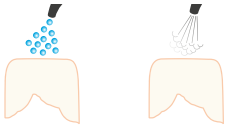
Conditioning the restoration

Etching



Etch with 5% hydrofluoric acid (e.g., VITA ADIVA CERA ETCH) for 60 sec.

Clean spraying/drying



Completely remove any remaining acid by using water spray (60 sec.) or clean in the ultrasonic bath.
Then dry for 20 sec.

Silanizing



Apply silane (e.g., VITA ADIVA C-PRIME) to the etched surfaces. Allow to evaporate completely.

Conditioning the tooth

Etching

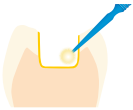


Etch the tooth substance with 37% phosphoric acid gel (e.g., VITA ADIVA TOOTH-ETCH) for 20 sec.

Clean spraying/drying

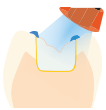


Bonding



Apply bonding system to the tooth substance (e.g., VITA ADIVA T-BOND). Please observe the relevant instructions for use!

Application of bonding composite cement & Light curing



Bonding with e.g., VITA ADIVA F-CEM.

For details, see VITA ENAMIC Working Instructions, Print No. 1982.

Adhesive technique	Bonding composite cement	Crown	Inlay/Onlay/Partial crown/Table top	Veneer
Conventional with adhesive system	Bonding composite cement with adhesive system: e.g., VITA ADIVA F-CEM with VITA ADIVA T-BOND	●	●	●
Self-adhesive	Self-adhesive bonding composite cement: e.g., VITA ADIVA S-CEM	●	–	–

Other recommended bonding systems

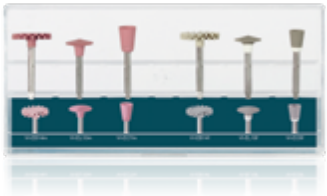
- Variolink Esthetic (Ivoclar Vivadent), Vitique (DMG)
- NX3 (KerrHawe), Calibra Ceram (DENTSPLY), RelyX Ultimate (3M ESPE), Bifix QM (VOCO)
- PANAVIA F2.0/PANAVIA V5 (Kuraray), DuoCem (Coltène/Whaledent)

Manual reworking

Use only diamond-coated milling tools or special polishers.
During intraoral reworking, only exert light pressure and carry out under consistently moist conditions.
Special two-stage polishing assortments were developed for intraoral and extraoral polishing. The use of these assortments allows for successful high-gloss polishing:

VITA ENAMIC Polishing Set clinical

First step: prepolishing ↻ 7,000 - 10,000 rpm
Second step: high-gloss ↻ 5,000 - 8,000 rpm



VITA ENAMIC Polishing Set technical

First step: prepolishing ↻ 7,000 - 10,000 rpm
Second step: high-gloss ↻ 5,000 - 8,000 rpm



Additionally, a goat hair brush and diamond polishing paste can be used for final high-gloss polishing. Then repolish with a dry cotton buff.



VITA ENAMIC® - Tutorial Polishing

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