

VITA ENAMIC® load capacity redefined!*

The first hybrid ceramic with a dual network structure, which optimally absorbs the occlusal forces.



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

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VITA shade, VITA made.

VITA

Product description

VITA ENAMIC is the first hybrid dental ceramic in the world with a dual-network structure. In this dental material, the dominant ceramic network is strengthened by a polymer network, with both networks fully integrated with one another. VITA ENAMIC is a dental hybrid material that combines the positive characteristics of a ceramic and a composite.

In addition to a high degree of elasticity, this innovative hybrid ceramic guarantees particularly high load capacity after adhesive bonding.

As a result, this material is perfectly suited for posterior crown restorations and also enables the reduction of wall thicknesses for minimally invasive restorations.

The superior reliability of VITA ENAMIC, as well as its precision, edge stability and corresponding milling accuracy, are all exceptional features. Plus, this tooth-colored hybrid material offers material properties that are incredibly similar to natural dentition, which ensures a natural play of colors thanks to the excellent light refraction properties.

*) In addition to a high degree of elasticity, this innovative hybrid ceramic guarantees outstanding load capacity after adhesive bonding.

Product benefits

Enormous load capacity:

Following bonding with the remaining tooth substance, VITA ENAMIC is immensely strong. This composite material guarantees excellent distribution of masticatory force while the polymer network offers outstanding absorption of intraoral load.

Excellent reliability:

VITA ENAMIC is also a highly reliable material. For example, this hybrid ceramic offers integrated crack-stop function thanks to its unique dual-network structure.

Restorations that are gentle on oral substance:

In addition to high load capacity, VITA ENAMIC also guarantees the required elasticity, enabling minimally-invasive treatment so that healthy tooth substance can be retained by reducing the wall thickness.

Precise and accurate restorations:

Following the milling process, the VITA ENAMIC hybrid ceramic shows excellent edge stability – particularly in the case of thin restoration margins – and allows accurate morphology as well as an end result that offers a perfect fit.

Fast and efficient fabrication:

The excellent milling properties of VITA ENAMIC guarantee that restorations can be fabricated more quickly and wear and tear on milling tools is minimized. The hybrid ceramic is also already at full strength and can be inserted immediately after milling.

Natural results that match the tooth shade:

VITA ENAMIC is a tooth-colored dental material that offers superb light refraction properties. This allows VITA ENAMIC restorations to blend in perfectly with the remaining tooth substance, providing a natural play of colors.

Range of indications:

In addition to classic single tooth restorations (inlays, onlays, veneers and crowns), VITA ENAMIC is particularly suitable for restorations exposed to high masticatory forces (molar area) and minimally invasive restorations.

Product data:

Geometries: VITA ENAMIC is available in the geometries EM-14 (12 x 14 x 18 mm) and EM-10 (8 x 10 x 15 mm)*.

Range of shades: VITA ENAMIC is available in the translucency levels HT (High Translucent) and T (Translucent), in each case in the six VITA SYSTEM 3D-MASTER shades 0M1, 1M1, 1M2, 2M2, 3M2 and 4M2.

VITA ENAMIC® for CEREC® / inLab®

VITA SYSTEM 3D-MASTER® range of shades

VITA ENAMIC® high translucent

Shade	Designation	Geometry	Content	Prod. No.
0M1-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC40M1HTEM14
1M1-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC41M1HTEM14
1M2-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC41M2HTEM14
2M2-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC42M2HTEM14
3M2-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC43M2HTEM14
4M2-HT	EM-14	12 x 14 x 18 mm	5 pieces	EC4EM4282765
0M1-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC40M1HTEM10
1M1-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC41M1HTEM10
1M2-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC41M2HTEM10
2M2-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC42M2HTEM10
3M2-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC43M2HTEM10
4M2-HT	EM-10	8 x 10 x 15 mm	5 pieces	EC4EM4282645

VITA ENAMIC® translucent

Shade	Designation	Geometry	Content	Prod. No.
0M1-T	EM-14	12 x 14 x 18 mm	5 pieces	EC40M1TEM14
1M1-T	EM-14	12 x 14 x 18 mm	5 pieces	EC41M1TEM14
1M2-T	EM-14	12 x 14 x 18 mm	5 pieces	EC41M2TEM14
2M2-T	EM-14	12 x 14 x 18 mm	5 pieces	EC42M2TEM14
3M2-T	EM-14	12 x 14 x 18 mm	5 pieces	EC43M2TEM14
4M2-T	EM-14	12 x 14 x 18 mm	5 pieces	EC4EM3282765

Primary indication - high translucent:

Inlays, onlays, veneers, partial and full crowns

Primary indication - translucent:

Masking discolored dies, in particular for crowns

VITA ENAMIC® Starter Set clinical

Prod. No. EC4EMSTSETC

Content	Shades	Quantity
5 packs of VITA ENAMIC high translucent	0M1 - 3M2	1 pack of 5 pieces for each shade
5 packs of VITA ENAMIC translucent	0M1 - 3M2	1 pack of 5 pieces for each shade
VITA ENAMIC Polishing Set clinical	–	8 pre- and high-gloss polishers for the contra-angle

VITA ENAMIC® Starter Set technical

Prod. No. EC4EMSTSETT

Contents	Shades	Quantity
5 packs of VITA ENAMIC high translucent	0M1 - 3M2	1 pack of 5 pieces for each shade
5 packs of VITA ENAMIC translucent	0M1 - 3M2	1 pack of 5 pieces for each shade
VITA ENAMIC Polishing Set technical	–	8 pre- and high gloss polishers for the handpiece

*) The EM-10 geometry is only available in the HT translucency level!

System compatibility

Information on the system compatibility and the hardware and software requirements in each case is available from the respective CAD/CAM system partner or can be downloaded from www.vita-zahnfabrik.com/cadcam in the form of system compatibility information for VITA CAD/CAM materials. The range of geometries/shades of VITA CAD/CAM materials available may vary for the individual CAD/CAM system partners or systems.

More information about VITA ENAMIC is available at www.vita-enamic.de / www.vita-enamic.com

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