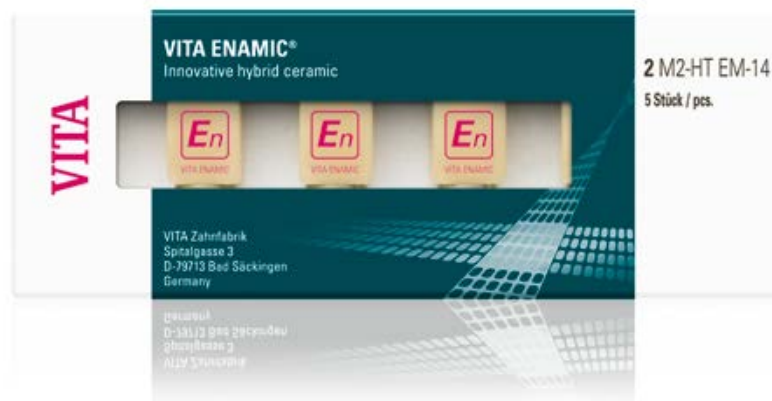


VITA ENAMIC®

Product information



VITA shade taking

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 06.13

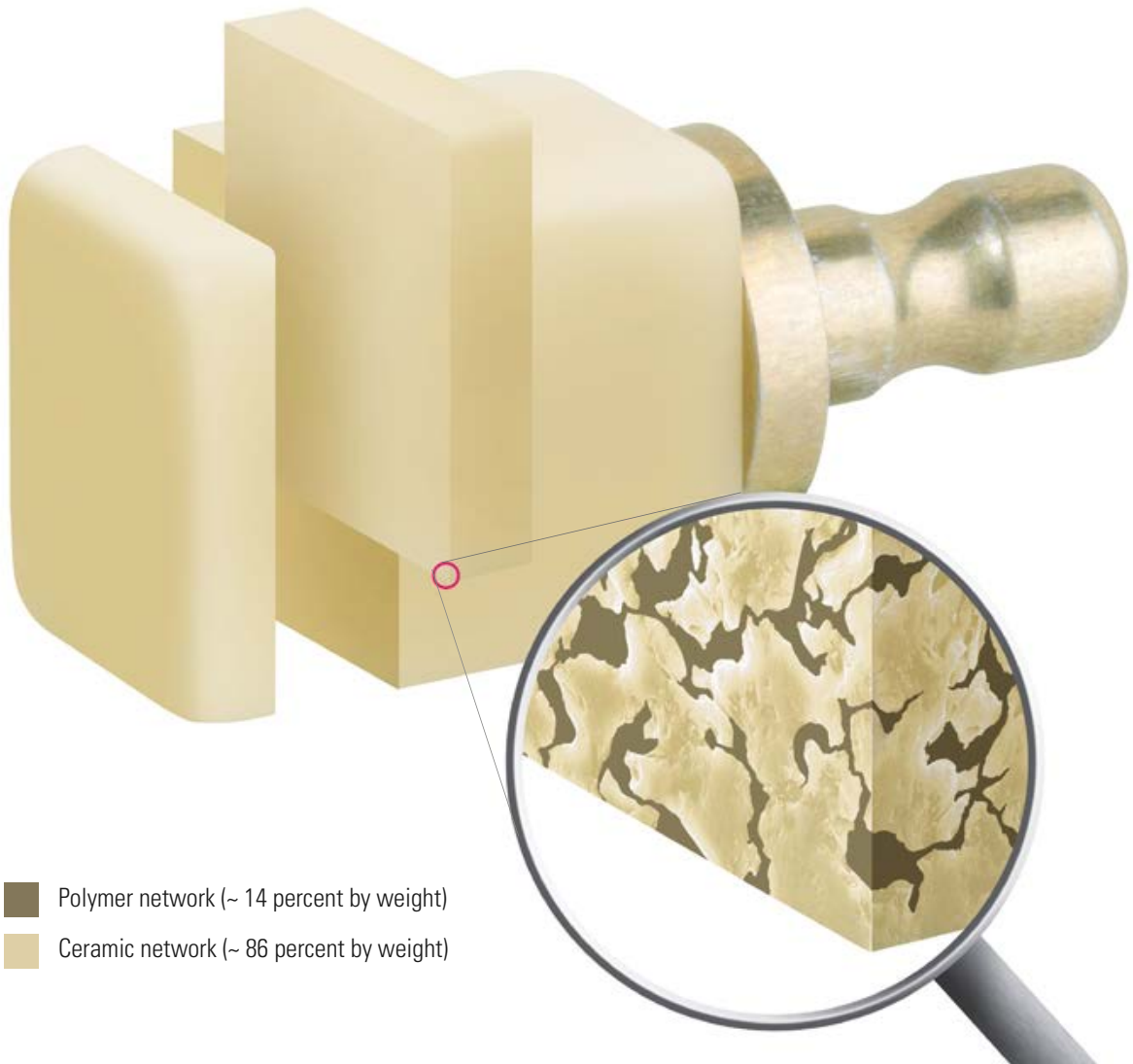
VITA shade, VITA made.

VITA

VITA ENAMIC
VITA ENAMIC STAINS KIT
VITA ENAMIC POLISHING SET

The **En** formula for success: strength + elasticity = reliability²

VITA ENAMIC® The first CAD/CAM hybrid ceramic



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 strength 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 also excellent features. Finally, this tooth-colored hybrid material offers material properties that are almost identical to those of natural teeth, ensuring a natural play of colors thanks to its excellent light conductivity.

VITA ENAMIC® Product benefits



Enormous strength:

After bonding to the remaining tooth substance, VITA ENAMIC exhibits enormous strength and guarantees perfect distribution of masticatory forces. The polymer network offers outstanding absorption of intraoral load.

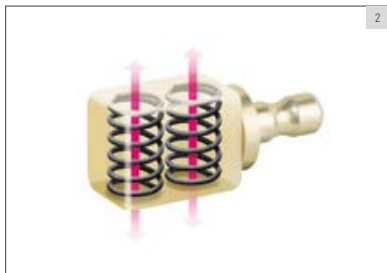


Fig. 1: Any masticatory forces are distributed in the dual network of the hybrid ceramic in an optimal way.

Fig. 2: The polymer network provides an integrated buffer function.



Excellent reliability:

VITA ENAMIC is a very reliable material, and, as a hybrid material, offers an integrated crack stop function thanks to its unique dual-network structure.

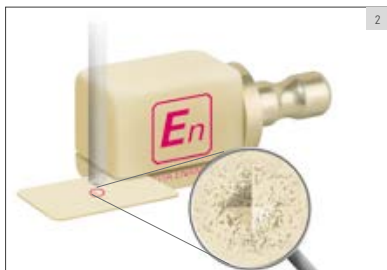
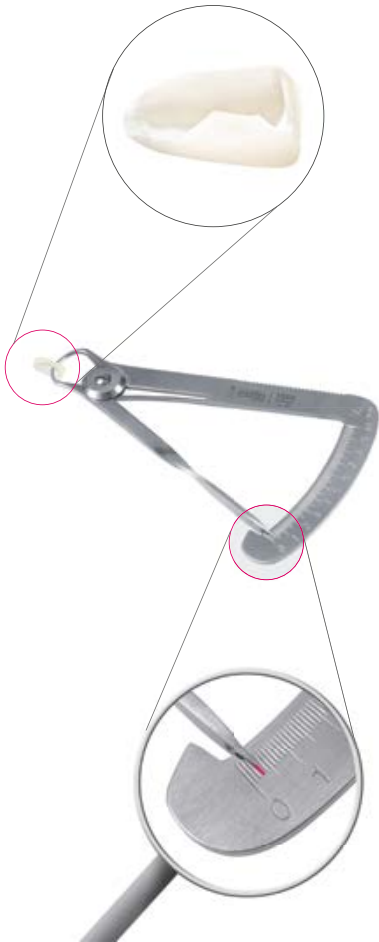


Fig. 1: Vickers test of silicate ceramic: cracks propagate due to the brittleness of the material.

Fig. 2: Vickers test of VITA ENAMIC: the polymer network stops cracks and ensures higher reliability.

VITA ENAMIC® Product benefits



Restorations that are gentle on oral substance:

In addition to greater strength, VITA ENAMIC also guarantees the necessary elasticity, enabling minimally invasive treatment so that healthy tooth substance can be retained by reducing the wall thickness.



VITA ENAMIC® Product benefits



Fig. 1: High edge stability for restorations with thinning margins is ensured.

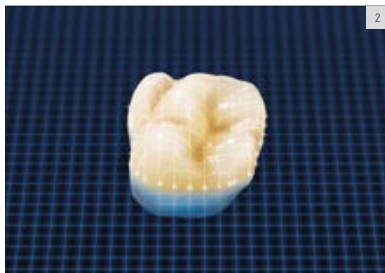


Fig. 2: VITA ENAMIC ensures highly accurate results.

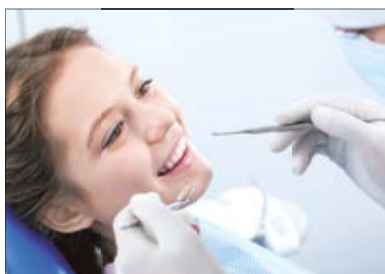


Precise and accurate restorations:

After the milling process, the VITA ENAMIC hybrid ceramic exhibits excellent edge stability (especially for restorations with thinning margins), enables accurate reproduction of morphological details and ensures precision-fit final results.

Fast and efficient fabrication:

The excellent milling properties of VITA ENAMIC guarantee that restorations can be fabricated more quickly and with minimal wear and tear on milling equipment. Because the hybrid ceramic already features its final strength, it can be inserted immediately after milling.



VITA ENAMIC® Product benefits



- Enamel - enamel-like abrasion behavior
- Dentin – comparable flexibility (modulus of elasticity)
- Pulp

Tooth-like properties:

VITA ENAMIC features abrasion behavior similar to that of enamel and reduces antagonist abrasion considerably. At the same time, the modulus of elasticity of hybrid ceramic can be compared with that of natural dentin - these properties enable perfect integration of VITA ENAMIC restorations into the remaining teeth.



Natural results that match the tooth shade:

VITA ENAMIC is a tooth-colored dental material that offers superb light conductivity. As a result, VITA ENAMIC restorations blend in perfectly with the remaining tooth substance, enabling a natural play of colors.



VITA ENAMIC® Indications, geometries, shades



Indication:

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

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)*.

*) The EM-10 geometry will be available in the HT translucency level from autumn 2013!

Shades:

VITA ENAMIC is available in the translucency levels HT (HT = high translucent) and T (T = translucent) and in the five VITA SYSTEM 3D-MASTER shades 0M1, 1M1, 1M2, 2M2 and 3M2.

Primary indication - high translucent (HT): inlays/onlays, veneers, partial and full crowns
Primary indication - translucent (T): masking discolored dies, in particular for crowns.

	0M1	1M1	1M2	2M2	3M2
HT					
T					



VITA ENAMIC® STAINS KIT



Natural play of colors in a very simple manner

The VITA ENAMIC Stains Kit includes six stains and accessories for the reproduction of natural shade nuances of restorations made of hybrid ceramic.

The stains are bonded to the restoration as part of a polymerization process. Surface sealing can be performed using the chemical glaze material VITA ENAMIC GLAZE, which increases the durability and brilliance of the shade in the oral environment.

Processing is based on a simple 5-step principle: condition the surface, mix and apply the shades, carry out intermediate polymerization, apply chemical glaze material and perform final polymerization.

Benefits



Fast processing:

Simply apply the VITA ENAMIC stains to the restoration, polymerize and that's it! With this process, the shade of VITA ENAMIC restorations can be quickly characterized.

High level of individuality:

The anomalies and shade nuances of natural teeth can be individually reproduced with the six VITA ENAMIC stains.



Simple processing:

The shade intensity of the VITA ENAMIC stains can be perfectly controlled by the ratio of liquid to shade powder. As a result, homogeneous and smooth application of shades is ensured.

VITA ENAMIC® Polishing Set (clinical / technical)



All instruments to achieve excellent results

The VITA ENAMIC sets of polishing instruments were developed for reliable, efficient and material-specific surface treatment of hybrid ceramic restorations in dental practices and laboratories.

The sets include various polishing instruments for pre- and high-gloss polishing. These instruments are suitable for careful and gentle polishing of occlusal surfaces, cusps, fissures and restoration contact points. The use of these polishing instruments results in surfaces with exceptional gloss.



Benefits

Excellent final results:

Excellent and plaque-resistant surfaces are produced with these instruments. Precise concentricity, matched grit sizes and the individual geometries of the instruments guarantee results with superior precision.

Simple and safe handling:

The instruments guarantee superior material removal performance. Good handling and the ability to use without polishing paste enables simple and fast processing. Safe use of the clinical instruments is guaranteed since they can be sterilized.

Gentle and careful processing:

These instruments, which were developed especially for VITA ENAMIC, ensure gentle and careful reworking. As a result, the risk of possible formation of microcracks is reduced.



VITA ENAMIC® Data and assortments

VITA ENAMIC® for CEREC® / inLab®

VITA SYSTEM 3D-MASTER® range of shades

VITA ENAMIC® high translucent

Shade	Design.	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
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

VITA ENAMIC® translucent

Shade	Design.	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

*) The EM-10 geometry will be available in the HT translucency level from a autumn 2013!

System compatibility:

VITA ENAMIC can be processed with Sirona's CEREC or inLab MC XL systems, software version 4.0 or higher.

VITA ENAMIC® STARTER SET

VITA ENAMIC® STARTER SET clinical – Prod. No. EC4EMSTSETC

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

VITA ENAMIC® STARTER SET technical – Prod. No. EC4EMSTSETT

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

VITA ENAMIC® STAINS

VITA ENAMIC® STAINS KIT – Prod. No. EENSTKIT

Designation	Details	Content / shade
VITA ENAMIC STAINS 1-6	6 bottles cont. 2 g each	white, corn, brown, khaki, blue and black
VITA ENAMIC STAINS LIQUID	Bottle	20 ml
VITA ENAMIC GLAZE incl. microbrush disposable applicators	Bottle/pack	20 ml / 20 pieces each
VITA ENAMIC CLEANER	Bottle	50 ml
Brush No. 1	–	2 pieces
Porcelain mixing plate, black	8.5 x 11 cm	1 piece
Mixing spatula, double-ended	–	1 piece

System compatibility:

The following dental and dental-technical polymerization units are recommended for intermediate and final polymerization: Bluephase C8 (Ivoclar Vivadent), Astralis 10 (Ivoclar Vivadent), Valo (Ultradent), Speed Labolight (Hager&Werken), Heraflash (Heraeus Kulzer) and Polyflux PT (Dreve).

VITA ENAMIC® STAINS single products

Designation	Details	Content / shade	Prod. no.
VITA ENAMIC STAIN 1	Bottle cont. 2 g	white	EENST012
VITA ENAMIC STAIN 2	Bottle cont. 2 g	corn	EENST022
VITA ENAMIC STAIN 3	Bottle cont. 2 g	brown	EENST032
VITA ENAMIC STAIN 4	Bottle cont. 2 g	khaki	EENST042
VITA ENAMIC STAIN 5	Bottle cont. 2 g	blue	EENST052
VITA ENAMIC STAIN 6	Bottle cont. 2 g	black	EENST062
VITA ENAMIC STAINS LIQUID	Bottle	20 ml	EENSTL20
VITA ENAMIC GLAZE incl. microbrush disposable applicators	Bottle / pack	20 ml / 20 pieces each	EENSTG20
VITA VM LC CLEANER	Bottle	50 ml	CVMLC50
Microbrush disposable applicators	Pack	20 pieces each	EENSTMB20
Brush No. 1	–	1 piece	B085
Porcelain mixing plate, black	8.5 x 11 cm	1 piece	C014
Mixing spatula, double-ended	–	1 piece	C013

VITA ENAMIC® Polishing Set technical/clinical**Assortments and refill packs**

Designation	Details	Content/piece	Prod. no.
VITA ENAMIC® Polishing Sets			
VITA ENAMIC® Polishing Set clinical	2-stage polishing system with pre- and high-gloss polishers for the contra-angle	8	EENPSETC
VITA ENAMIC® Polishing Set technical	2-stage polishing system with pre- and high-gloss polishers for the handpiece	8	EENPSETT

VITA ENAMIC® Polishing Set clinical/refill packs

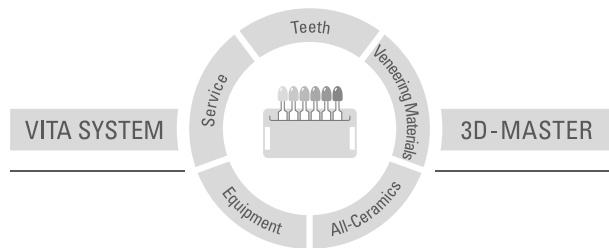
Pre-polishing (pink)	SiC instruments (silicon carbide)		
Polishing instrument, small tip, VI-ES3m		6	ERWES3M6
Polishing instrument, tip, VI-ES4m		6	ERWES4M6
Polishing instrument, lens, VI-EL10m		6	ERWEL10M6
Polishing instrument, cup, VI-EC7m		6	ERWEC7M6
High-gloss polishing (grey)	Diamond instruments		
Polishing instrument, small tip, VI-ES3f		6	ERWES3F6
Polishing instrument, tip, VI-ES4f		6	ERWES4F6
Polishing instrument, lens, VI-EL10f		6	ERWEL10F6
Polishing instrument, cup, VI-EC6f		6	ERWEC6F6

VITA ENAMIC® Polishing Set technical/refill packs


Pre-polishing (pink)	SiC instruments (silicon carbide)		
Polishing instrument, tip, VI-ES5m		6	ERHES5M6
Polishing instrument, torpedo, VI-ET6m		6	ERHET6M6
Polishing instrument, wheel, VI-ER15m		6	ERHER15M6
Polishing instrument, lens, VI-EL16m		6	ERHEL16M6
High-gloss polishing (grey)	Diamond instruments		
Polishing instrument, tip, VI-ES5f		6	ERHES5F6
Polishing instrument, torpedo, VI-ET6f		6	ERHET6F6
Polishing instrument, wheel, VI-ER15f		6	ERHER15F6
Polishing instrument, lens, VI-EL16f		6	ERHEL16F6

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

With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.



Please note: Our products must be used in accordance with the instructions for use. We accept no liability for any damage resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product. Furthermore, our liability for the accuracy of this information is independent of the legal basis and, in as far as legally permissible, shall always be limited to the value as invoiced of the goods supplied, excluding value-added tax. In particular, as far as legally permissible, we do not assume any liability for loss of earnings, indirect damages, ensuing damages or for third-party claims against the purchaser. Claims for damages based on fault liability (culpa in contrahendo, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Modulbox is not necessarily a component of the product. Date of issue of this information: 06.13

VITA Zahnfabrik is certified according to the Medical Device Directive and the following product bears the mark  0124:

VITA ENAMIC®

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VITA

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