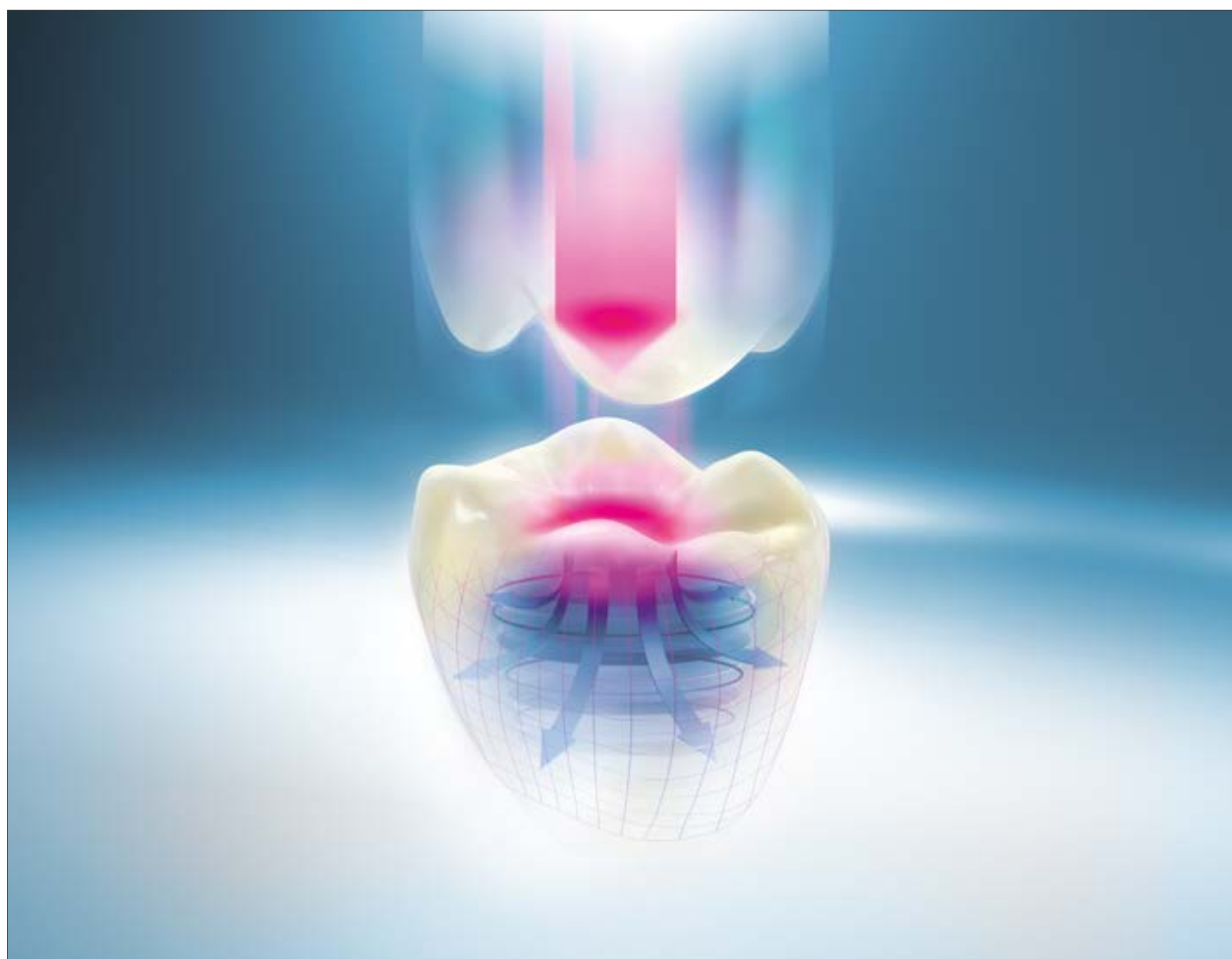


VITA ENAMIC®

Working Instructions



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 04.17

VITA shade, VITA made.

VITA

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**Information about VITA ENAMIC hybrid ceramic
is available at www.vita-enamic.com**



Ceramic network structure



Polymer network structure



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

In this dental material, the dominant fine-structure ceramic network (86% by wt.) is strengthened by an acrylate polymer network, with both networks fully integrated with one another.

Product characteristics and advantages

- Lower brittleness than pure ceramic and better abrasion behavior than composite.
- Compared to silicate ceramic, it is possible to mill restorations with thinner walls. Particularly suitable for minimally invasive restorations.
- Detailed and accurate grinding or milling results thanks to exceptional marginal stability of the material.
- Can be perfectly milled with diamond instruments.
- Can be etched with hydrofluoric acid gel just like silicate ceramics. Produces a firm and permanent bond to the tooth substance by means of the adhesive technique.
- Simple bonding with self-adhesive composites is enabled.



Integrated crack-stop function



Excellent edge stability

Chemical composition of the fine-structure feldspar ceramic network*

Oxides	% by weight
SiO ₂	58–63
Al ₂ O ₃	20–23
Na ₂ O	6–11
K ₂ O	4–6
B ₂ O ₃	0.5–2
CaO	< 1
TiO ₂	< 1

* The values of the chemical composition listed above are dependent on the lot. Chemical elements (oxides) that are contained in very low concentrations and required, e.g. for coloring, are not listed.

Chemical composition of the polymer network

The polymer network consists of methacrylate polymer.

Material ratio - ceramic - polymer

Component	% by weight	% by volume
Fine-structure feldspar ceramic	86	75
Polymer	14	25

Physical data*









Property	Unit	Value
Flexural strength (ISO 6872)	MPa	150–160
Fracture toughness	MPa√m	1.5
Modulus	GPa	30
Weibull modulus	—	20
Hardness	GPa	2.5

* The technical/physical values indicated are typical measuring results and refer to internal samples and measurement equipment available on site. If samples are prepared using different methods and measurement equipment, other measuring results may be obtained.

Indication

VITA ENAMIC is indicated for the fabrication of fully anatomical, esthetic single tooth restorations if:

- the preconditions for the adhesive or self-adhesive bonding technique are fulfilled.

Overview of indications		
Anterior and posterior crowns implant-supported*		
Anterior and posterior crowns		
Inlays / Onlays / Partial crowns		
Table tops		
Veneers		

* The abutments must be designed in a way to meet the requirements for ceramic-specific preparation and to observe the minimum wall thicknesses of crowns made of VITA ENAMIC. Please observe the processing instructions of the manufacturer of the implant and the adhesive bonding material.

For more information: VITA ENAMIC implant-supported crowns Working Instructions, Prod. No. 10077 and VITA IMPLANT SOLUTIONS Working Instructions, Prod. No. 10150.

Contraindication

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

Processing requirements for VITA ENAMIC

Hardware requirements

⚠ VITA ENAMIC can be ground when wet or milled when dry.*

Note:

Dental treatment and the integration of dental restorations entail the general risk of iatrogenic damage to hard tooth substance, pulp and/or oral soft tissue. The use of bonding systems and the integration of dental restorations involve the general risk of postoperative hypersensitivity. In the event of non-compliance with the processing instructions of the products in use, the product characteristics can not be ensured so that product failure and irreversible damage to the natural hard tooth substance, pulp and/or oral soft tissue may result.

* Please request information from the supplier of your CAD/CAM system.



Important!

Under no circumstances should restorations made from VITA ENAMIC be fired during processing. Shade characterization and individualization are carried out by polymerization.

⚠ Note:

Cleaning agents containing acetone for cavities, prepared teeth, root canals and tooth surfaces (such as FOKALDRY, Lege Artis) should not come into contact with restorations made of VITA ENAMIC since they may damage the surfaces of the restorations.



The shade concept

The shades of VITA ENAMIC have been matched with those of VITA SYSTEM 3D-MASTER, which is the only tooth shade system available on the market that takes all 3 color dimensions into account and integrates them into a systematic classification principle for shade determination and shade reproduction:

Value - Chroma - Hue



NEW! VITA ENAMIC multiColor*

The 6 shade layers integrated in the block, with an intensity (chroma) that increases towards the bottom, enable excellent reproduction of the natural tooth shade gradient.

Block designation / size

EMC-14 (12 x 14 x 18 mm)

Degree of translucency: High Translucent (HT)



VITA ENAMIC DISC

Shades

	<div> <div></div> <div>Lightness (Value)</div> <div></div> </div>									
high translucent	0M1-HT	1M1-HT	1M2-HT	2M1-HT	2M2-HT	2M3-HT	3M1-HT	3M2-HT	3M3-HT	4M2-HT
translucent	0M1-T	1M1-T	1M2-T	2M1-T	2M2-T	2M3-T	3M1-T	3M2-T	3M3-T	4M2-T

* VITA ENAMIC multiColor blocks are available in the shades 1M1-HT, 1M2-HT, 2M2-HT, 3M2-HT and 4M2-HT.

Primary indications of VITA ENAMIC T- and HT-blocks/DISCs

The clinical situation needs to be specifically assessed when selecting the translucency. General rules:

HT (High Translucent)

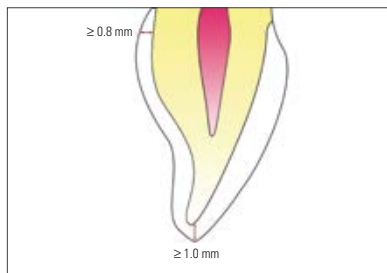
- Primarily suitable for inlays, onlays, full and partial crowns and veneers, cervical veneers, incisal edges.

T (Translucent)

- Primarily suitable for full crowns intended to mask discolored or dark stumps, such as in cases of tetracycline discoloration, amalgam tattoos, metal core-build ups and restorations of aged patients.

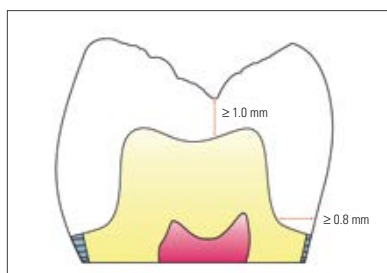
Layer thicknesses and preparation guidelines

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



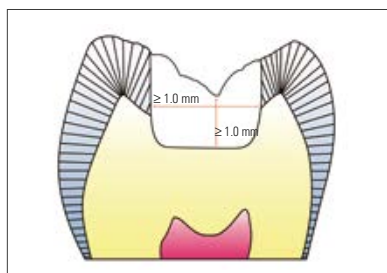
Anterior crowns

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



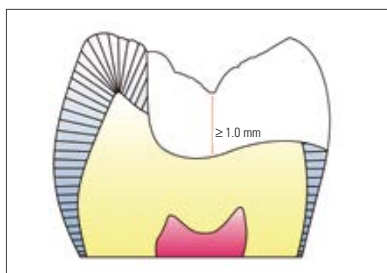
Posterior crowns

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



Inlays

Occlusal: **at least 1.0 mm**
In the area of the isthmus: **at least 1.0 mm**



Onlays

Occlusal: **at least 1.0 mm**

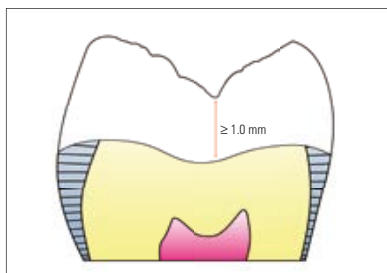
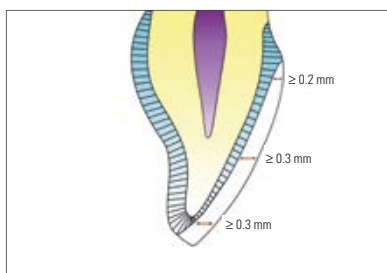


Table tops

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**

Manual reworking

Do not rework VITA ENAMIC restorations manually using tungsten carbide instruments as these may damage the material. Use only diamond-coated milling tools or special polishers. When reworking, use water and exert only slight pressure.

Special 2-stage polishing assortments were developed for intraoral and extraoral polishing of VITA ENAMIC. The use of these assortments allows for successful high-gloss polishing:

- **VITA ENAMIC Polishing Set technical**
- **VITA ENAMIC Polishing Set clinical**



VITA ENAMIC Polishing Set technical



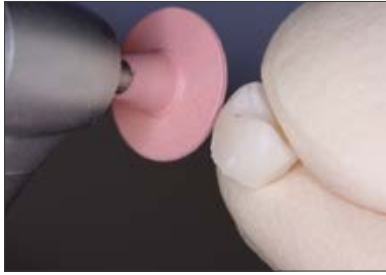
VITA ENAMIC Polishing Set clinical



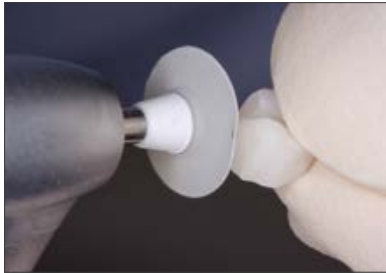
- Use diamond tool to remove the sprue.



- Fit in and check proximal and occlusal contacts.



- Use the instruments of the VITA ENAMIC Polishing Set technical or clinical for contouring or pre- and high-gloss polishing. Additionally, a goat hair brush and diamond polishing paste can be used for high-gloss polishing.



Tip: If Sof-Lex polishing discs are used for prepolishing, ensure that only the medium grain (M) and very fine grain (SF) types are used.

Important note:

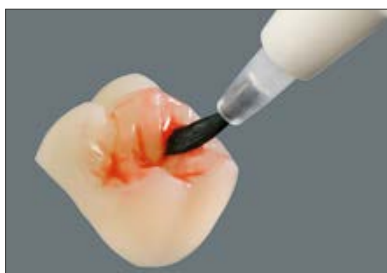
Since dust is formed when grinding sintered dental ceramic products, always wear a face mask or grind when wet. Use an extraction unit in the laboratory.



Optional: shade characterization (staining technique)

The shade of VITA ENAMIC restorations can be easily characterized (staining technique) with the special VITA ENAMIC STAINS (polymerization). Then the surface is sealed with a special varnish. For this purpose, the special **VITA ENAMIC STAINS KIT**, including 6 shades and accessories, is available.

Please observe the detailed working instructions, No. 1931.



Conditioning the surface

The surface of the ENAMIC restoration to be characterized needs to be rough and free from grease to optimize wetting and the retentive bond of the stain. Do not use on polished surfaces!

The surface should be conditioned in the following way:

Etch with 5% hydrofluoric acid gel, such as VITA ADIVA CERA-ETCH, for 60 seconds or sandblast with Al_2O_3 , max. 50 μm and a pressure of max. 1 bar to remove any residues carefully.



Then silanize the roughened surface, for example with VITA ADIVA C-PRIME. The surface must not be touched any longer!



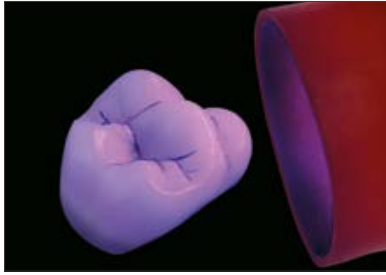
Mixing the stain

Mix stain powder with VITA ENAMIC STAINS LIQUID on the porcelain mixing plate. The mixing ratio can be varied depending on the desired intensity of the shade: from aqueous-transparent to opaque.



Application of the stain

Apply the shade and polymerize in steps. Then use VITA ENAMIC GLAZE to seal the applied stain.



Final polymerization

VITA ENAMIC GLAZE can be polymerized with all standard dental light-curing devices **with a spectral range of 350 - 500 nm.**

All coated surfaces must be completely polymerized.



Individualization of restorations made of VITA ENAMIC

To achieve an enhanced esthetic appearance, shade individualization of VITA ENAMIC restorations can be performed using VITA VM LC flow or paste (layering technique), particularly in the transparent area of anterior restorations or in the vestibular area of posterior restorations. Excellent results can be achieved even with thin layers of VITA VM LC.

The cut-back is carried out using CAD software or manually as a preparatory step for individualizing or veneering. The following minimum layer thicknesses for ENAMIC must be adhered to (see page 8).

Conditioning the surface

- The surface of the VITA ENAMIC restoration to be individualized must be roughened and oil-free to ensure perfect bonding to the composite.
- Adhesion of residue such as milling liquid or lubricant (such as Dentatec) to the surface is not permitted. Remove these either with ethanol or using an ultrasonic bath.
- The level of surface roughness immediately following CAM processing is sufficient for individualization.



If subsequent reworking of the surface has reduced the level of roughness, the following three alternative methods can be used to increase roughness again:

1. Roughening with a diamond bur or
2. Sandblasting using Al_2O_3 at max. 50 μm and a blasting pressure of max. 1 bar or
3. Extraorally only (!): etching with a 5% hydrofluoric acid gel such as VITA ADIVA CERA-ETCH as follows:

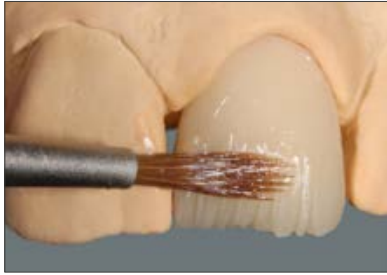


Using a small disposable brush, apply VITA ADIVA CERA-ETCH to the surfaces to be etched.

Etching time: 60 sec. Once the application time has come to an end, completely remove any residual acid from the etched surface by rinsing off with copious amounts of water, by cleaning thoroughly using a steam jet device, or by cleaning in an oil-free ultrasonic bath using distilled water.

Do not brush off, as this would lead to significant surface contamination.

- Surfaces sandblasted with Al_2O_3 must also be cleaned thoroughly.
- After cleaning, the surface should no longer be touched.



- Apply silane bonding agent, for example, VITA ADIVA C-PRIME, to the roughened surface.
- Apply VITA VM LC MODELLING LIQUID.



Application of VITA VM LC or VITA VM LC flow

Restoration prepared for individualization.



Incorporating incisal translucent effects; for example, with EFFECT ENAMEL flow EE9 and EE2. If required, set by curing briefly.



Layering mamelons with e.g. EFFECT ENAMEL flow EE2 and EE5. If required, set by curing briefly.



Building up the tooth shape using ENAMEL flow and / or flow EFFECT ENAMEL flow.



Option: Coating the entire crown with WINDOW flow.

All veneered surfaces are set by curing briefly.

⚠ **Note:** For information about polymerizing, please refer to the Working Instructions VITA VM LC No. 1200.



To prevent formation of an inhibition layer and facilitate finishing, we recommend the use of VITA VM LC GEL during final polymerization.

Apply a coat of gel directly from the syringe to cover the entire veneer surface or use an instrument to apply the gel.

Perform final polymerization.

Then completely remove VITA VM LC GEL using running water.

Use a fine diamond instrument (marked with red ring, grit size 27 - 76 µm) for coarse finishing.

⚠ **Note:** VITA ENAMIC must not be milled with carbide milling tools.



Perform prepolishing using the instruments provided with the VITA ENAMIC Polishing Set technical and a goat-hair brush.

A polishing material for veneering composites and a cotton/leather buff or a felt wheel are used for high-gloss polishing.













Avoid generating excess heat (for the maximum polisher speed, refer to the manufacturer's specifications)



The completed ENAMIC restoration individualized with VITA VM LC flow.

Adhesive bonding

- Adhesive bonding of VITA ENAMIC restorations requires the use of light-curing or dual-curing luting composites.
- The self-adhesive composite VITA ADIVA S-CEM is also only suitable for cementing crowns (dentine adhesion).
When using this composite, the restoration is etched with VITA ADIVA CERA-ETCH for 60 sec. and subsequently silanized.
- Adhesive bonding of crowns should preferably be performed using a more flowable, dual-curing composite (depending on the thickness of the layering).
- The ultrasonic insertion method or preheated composite can be used for stronger composite materials.
- Dual-curing composites should not be used for thin veneers since these composites may cause a slight change in color (yellow shade) after curing. Because of this, a light-curing composite is preferable. A microbrush that is adhesively bonded to the veneer using light-curing bonding or a glue stick can be used as a holder. Fixing the veneer with a finger allows more uniform distribution of pressure during the adhesive cementation.

		VITA ENAMIC					
Adhesive technique	luting composite	Crown	Inlay/Onlay/Partial crown/Table top				Veneer
							
Conventional with adhesive system	Luting composite with adhesive system: e. g. VITA ADIVA F-CEM with VITA ADIVA T-BOND						
Self-adhesive	Self-adhesive luting composite: VITA ADIVA S-CEM	 1)					

¹⁾ luted to dentine



VITA ADIVA FULL ADHESIVE LUTING SET with VITA ADIVA F-CEM

Procedure for conventional adhesive technique with adhesive system

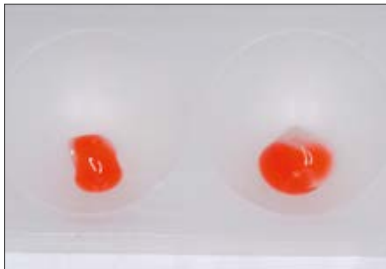
Conditioning the tooth substance



- Starting from the enamel margins, etch the tooth substance with VITA ADIVA TOOTH-ETCH (phosphoric acid gel, 37 %) for 20 sec. Spray clean for 20 sec. and dry for 20 sec. Control: etched surface must be white opaque. Please observe the relevant instructions for use!



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



Conditioning the restoration

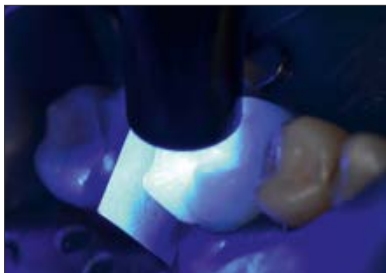
- Use ethanol to degrease the restoration before it is seated. Apply VITA ADIVA CERA-ETCH (hydrofluoric acid gel, 5%) to the inner surfaces. Etching time: 60 sec. Cover any polished outer surface in order to avoid accidental etching.



- Completely remove any remaining acid by using water spray (60 sec.) or clean in the ultrasonic bath. Then dry for 20 sec. Do not clean with a brush to avoid the risk of contamination! After drying, the etched surfaces have a whitish opaque appearance. Apply silane (e.g. VITA ADIVA C-PRIME) to the etched surfaces. Allow to evaporate completely.



- Insertion of the restorations.



- Light curing of the composite.

Finishing and polishing (intraoral)

Pay attention to margins and contact points when finishing and polishing the restoration. Generation of heat must be avoided!



- Check if excess material has been applied, finish with Sof-Lex discs or files in an oscillating dental handpiece.



Fine morphological adjustments

The occlusion must be completely free of interferences. Remove unwanted occlusal contacts with diamond abrasives (40 µm).

- In order to achieve a natural surface shine, two steps are required.



- Prepolishing with the pink polishers of the VITA ENAMIC Polishing Set (7,000 – 10,000 rpm) while cooling with water.



- High-gloss polishing with the grey diamond-coated polishers of the VITA ENAMIC Polishing Set (5,000 - 8,000 rpm).
Exert slight pressure only!



Tip: High-gloss polishing at lowest speed and without water cooling. If Sof-Lex polishing discs are used for finishing and prepolishing, use only the medium grain (M) and very fine grain (SF) types.



Situation prior to treatment.



Situation after treatment. The restorations were fabricated using VITA ENAMIC blocks of shade 1M2-HT.

Assortments - VITA ENAMIC DISCs

VITA ENAMIC DISC Translucent (T)			
Shade	Designation/size	Contents	Prod. No.
1M2-T	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM3981207
2M2-T	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM3981212
3M2-T	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM3981220
1M2-T	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM3981807
2M2-T	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM3981812
3M2-T	DISC (Ø 98,4 x 18 mm)	1 unit	ECDEM3981820

VITA ENAMIC DISC High Translucent (HT)			
Shade	Designation/size	Contents	Prod. No.
1M1-HT	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM4981206
1M2-HT	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM4981207
2M2-HT	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM4981212
3M2-HT	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM4981220
4M2-HT	DISC (Ø 98,4 x 12 mm)	1 pieces	ECDEM4981228
1M1-HT	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM4981806
1M2-HT	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM4981807
2M2-HT	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM4981812
3M2-HT	DISC (Ø 98,4 x 18 mm)	1 pieces	ECDEM4981820
4M2-HT	DISC (Ø 98,4 x 18 mm)	1 unit	ECDEM4981828

Assortments - VITA ENAMIC for CEREC/inLab

VITA ENAMIC for CEREC/inLab Translucent (T)				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
0M1-T	EM-14	12 x 14 x 18	5 pieces	EC40M1TEM14
1M1-T	EM-14	12 x 14 x 18	5 pieces	EC41M1TEM14
1M2-T	EM-14	12 x 14 x 18	5 pieces	EC41M2TEM14
2M1-T	EM-14	12 x 14 x 18	5 pieces	EC4EM3112765
2M2-T	EM-14	12 x 14 x 18	5 pieces	EC42M2TEM14
2M3-T	EM-14	12 x 14 x 18	5 pieces	EC4EM3132765
3M1-T	EM-14	12 x 14 x 18	5 pieces	EC4EM3192765
3M2-T	EM-14	12 x 14 x 18	5 pieces	EC43M2TEM14
3M3-T	EM-14	12 x 14 x 18	5 pieces	EC4EM3212765
4M2-T	EM-14	12 x 14 x 18	5 pieces	EC4EM3282765

Assortments - VITA ENAMIC for CEREC/inLab

VITA ENAMIC for CEREC/inLab High Translucent				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
0M1-HT	EM-14	12 x 14 x 18	5 pieces	EC40M1HTEM14
1M1-HT	EM-14	12 x 14 x 18	5 pieces	EC41M1HTEM14
1M2-HT	EM-14	12 x 14 x 18	5 pieces	EC41M2HTEM14
2M1-HT	EM-14	12 x 14 x 18	5 pieces	EC4EM4112765
2M2-HT	EM-14	12 x 14 x 18	5 pieces	EC42M2HTEM14
2M3-HT	EM-14	12 x 14 x 18	5 pieces	EC4EM4132765
3M1-HT	EM-14	12 x 14 x 18	5 pieces	EC4EM4192765
3M2-HT	EM-14	12 x 14 x 18	5 pieces	EC43M2HTEM14
3M3-HT	EM-14	12 x 14 x 18	5 pieces	EC4EM4212765
4M2-HT	EM-14	12 x 14 x 18	5 pieces	EC4EM4282765
0M1-HT	EM-10	8 x 10 x 15	5 pieces	EC40M1HTEM10
1M1-HT	EM-10	8 x 10 x 15	5 pieces	EC41M1HTEM10
1M2-HT	EM-10	8 x 10 x 15	5 pieces	EC41M2HTEM10
2M1-HT	EM-10	8 x 10 x 15	5 pieces	EC4EM4112645
2M2-HT	EM-10	8 x 10 x 15	5 pieces	EC42M2HTEM10
2M3-HT	EM-10	8 x 10 x 15	5 pieces	EC4EM4132645
3M1-HT	EM-10	8 x 10 x 15	5 pieces	EC4EM4192645
3M2-HT	EM-10	8 x 10 x 15	5 pieces	EC43M2HTEM10
3M3-HT	EM-10	8 x 10 x 15	5 pieces	EC4EM4212645
4M2-HT	EM-10	8 x 10 x 15	5 pieces	EC4EM4282645

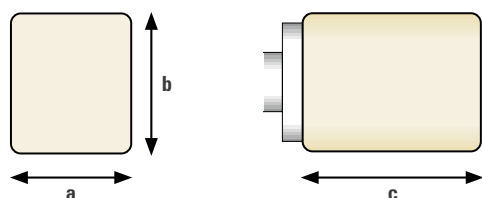
VITA ENAMIC multiColor for CEREC/inLab High Translucent (HT)				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
1M1-HT	EMC-14	12 x 14 x 18	5 pieces	EC4EC4062765
1M2-HT	EMC-14	12 x 14 x 18	5 pieces	EC4EC4072765
2M2-HT	EMC-14	12 x 14 x 18	5 pieces	EC4EC4122765
3M2-HT	EMC-14	12 x 14 x 18	5 pieces	EC4EC4202765
4M2-HT	EMC-14	12 x 14 x 18	5 pieces	EC4EC4282765

Assortments - VITA ENAMIC UNIVERSAL blocks

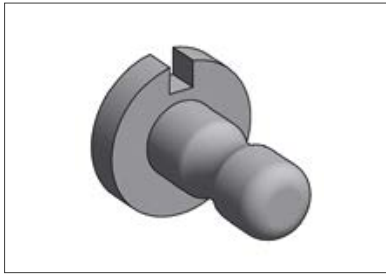
VITA ENAMIC UNIVERSAL Translucent (T)				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
0M1-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3022765
1M1-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3062765
1M2-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3072765
2M2-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3122765
3M2-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3202765
4M2-T	EM-14	12 x 14 x 18	5 pieces	EN1EM3282765

VITA ENAMIC UNIVERSAL High Translucent (HT)				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
0M1-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4022765
1M1-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4062765
1M2-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4072765
2M2-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4122765
3M2-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4202765
4M2-HT	EM-14	12 x 14 x 18	5 pieces	EN1EM4282765
0M1-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4022645
1M1-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4062645
1M2-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4072645
2M2-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4122645
3M2-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4202645
4M2-HT	EM-10	8 x 10 x 15	5 pieces	EN1EM4282645

VITA ENAMIC multiColor UNIVERSAL High Translucent (HT)				
Shade	Designation of block	Size in mm (a x b x c)	Content of pack	Prod. No.
1M1-HT	EMC-14	12 x 14 x 18	5 pieces	EN1EC4062765
1M2-HT	EMC-14	12 x 14 x 18	5 pieces	EN1EC4072765
2M2-HT	EMC-14	12 x 14 x 18	5 pieces	EN1EC4122765
3M2-HT	EMC-14	12 x 14 x 18	5 pieces	EN1EC4202765
4M2-HT	EMC-14	12 x 14 x 18	5 pieces	EN1EC4282765



⚠ Note:



VITA ENAMIC – UNIVERSAL SOLUTIONS*

VITA offers VITA ENAMIC with universal holder system or in DISC geometry for the CAD/CAM systems:

- CORiTEC series (imes-icore GmbH)
- Roland DWX line (Roland DG)
- CS 3000 (Carestream Inc.)
- Impression K-/S devices (vhf camfacture AG)
- DMG ULTRASONIC line (DMG Mori AG)
- Röders RXD line (Röders GmbH)
- ZENOTEC select (Wieland Dental + Technik GmbH & Co. KG)
- MILLING UNIT M line (Zirkonzahn S.r.l.)
- Zfx Inhouse5x (Zfx GmbH)
- inLab MC X5 (Sirona Dental GmbH)
- Organical Desktop line (R+K CAD/CAM Technologie GmbH & Co. KG)

VITA ENAMIC – SYSTEM SOLUTIONS*

VITA offers VITA ENAMIC with specific holder systems for the CAD/CAM systems:

- CEREC/inLab (Dentsply Sirona)
- Ceramill Motion II (Amann Girrbach AG)
- KaVo ARCTICA/Everest (KaVo Dental GmbH)
- TS150 (Glidewell Laboratories)
- Planmill 40 (D4D Technologies LLC.)

*) The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.

Further current information: www.vita-zahnfabrik.com/Systempartner

Accessories

VITA ENAMIC Polishing Sets

Specially developed set for time-saving and efficient polishing of VITA ENAMIC restorations. Includes all instruments for two-stage, well-coordinated polishing.

2 polishing sets with polishers are available:



- VITA ENAMIC Polishing Set **technical** with instruments for the handpiece.



- VITA ENAMIC Polishing Set **clinical** with instruments for the contra-angle

Note: Each polishing instrument of the two VITA ENAMIC Polishing Sets is available in refill packs.

See Product Sheet, VITA ENAMIC Polishing Set, Prod. No. 1924.



VITA ENAMIC STAINS KIT

Specially developed assortment for characterizing (staining technique) the shade of restorations made of VITA ENAMIC.

Contains 6 light curing stains, sealing varnish and accessories.



VITA VM LC flow / VITA VM LC paste

Material for shade individualization (layering technique) of VITA ENAMIC restorations, particularly in the transparent area of anterior restorations or in the vestibular area of posterior restorations.

Literature

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Wendler, M. et al.: Chairside CAD/CAM materials. Part 2: Flexural strength testing. Dental Materials 2017; 33:99-109

VITA printed materials

VITA ENAMIC Working Instructions, Prod. No. 1982E

VITA ENAMIC Technical and Scientific Documentation, Prod. No. 10025E

VITA ENAMIC Concept Brochure, Prod. No. 10024E

VITA ENAMIC Product Sheet, Prod. No. 1912E





VITA ENAMIC Product Brochure, Prod. No. 1780E




VITA ENAMIC Magazine, Prod. No. 1911E


VITA ENAMIC STAINS KIT, Working Instructions, Prod. No. 1931E

VITA ENAMIC STAINS KIT, Product Sheet, Prod. No. 1923E

VITA ENAMIC Polishing Set, Product Sheet, Prod. No. 1924E

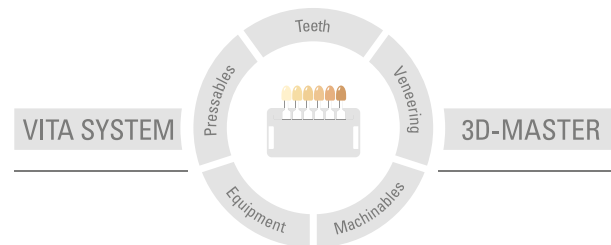
The following products require hazard identification:		
VITA ADIVA® CERA-ETCH (hydrofluoric acid ceramic etching gel)	<p>Caustic / Toxic</p> <p>For extraoral use only! Contains hydrofluoric acid. Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and damage to eyes. Harmful by inhalation. Wear protective gloves/protective clothing/safety goggles. Keep locked up. If swallowed, call Toxicological Information Center immediately and provide safety data sheet. In case of contact with clothing/skin, remove contaminated clothing immediately and rinse with copious amount of water. Specific measures, see safety data sheet. In case of contact with eyes, rinse with water for a few minutes and consult a doctor/Toxicological Information Center. This material and its container must be disposed of as hazardous waste.</p>	 
VITA ADIVA® TOOTH-ETCH (Phosphoric acid etching gel)	<p>Caustic</p> <p>Causes severe skin burns and damage to eyes. Contains phosphoric acid. When working with the product, do not eat and drink. Do not inhale gas/fume/vapor/aerosol. In case of contact with eyes, rinse thoroughly with water and consult a doctor. When working with the product, wear suitable safety goggles / face protection, protective gloves, and protective clothing. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste.</p>	
VITA ADIVA® C-PRIME (Silane bonding agent)	<p>Highly flammable liquid and vapor. Keep away from heat/sparks/open flame/hot surfaces. No smoking.</p>	

VITAVM®LC flow (light-curing, low viscous microparticle veneering composite)	<p>Contains triethylene glycol dimethacrylate, 2-dimethylaminoethyl methacrylate.</p> <p>Causes skin irritation.</p> <p>Causes severe eye irritation.</p> <p>May cause allergic skin reactions.</p> <p>Harmful to aquatic organisms with long-term adverse effects.</p>	
VITAVM®LC (light-curing microparticle veneering composite)	<p>Contains triethylene glycol dimethacrylate, 2-dimethylaminoethyl methacrylate.</p> <p>Causes skin irritation.</p> <p>Causes severe eye irritation.</p> <p>May cause allergic reactions.</p>	
VITAVM®LC MODELLING LIQUID (bonding agent)	<p>Contains triethylene glycol dimethacrylate.</p> <p>Causes skin irritation.</p> <p>Causes severe eye irritation.</p> <p>May cause respiratory irritation.</p> <p>May cause allergic skin reactions.</p>	

Personal protective equipment	<p>When working with the product, wear suitable safety goggles / face protection, gloves and safety clothing.</p>	
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The respective safety data sheets can be downloaded at www.vita-zahnfabrik.com or requested by fax at (+49) 7761-562-233.

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: 04.17

After the publication of these information for use any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

VITA Zahnfabrik has been certified in accordance to the Medical Device Directive and the following products bear the CE mark  0124 :

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We would like to express our gratitude to Dr. Alessandro Devigus, Bülach, Switzerland, for providing clinical photos.

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