The ceramic of the future?

VITA ENAMIC®

The new hybrid ceramic everyone is talking about

10 Facts & Features

VITA ENAMIC is
1. The first hybrid dental ceramic in the world with dual network structure
2. The perfect combination of stability and elasticity

VITA ENAMIC ensures
3. Enormous strength since masticatory forces are absorbed
4. Utmost reliability
5. Precise and accurate restorations
6. Excellent final results with superb esthetics
7. Fast and efficient processing

VITA ENAMIC is particularly suitable for
8. Posterior crowns
9. Minimally invasive restorations

VITA ENAMIC is available
10. In 5 shades and 2 translucency levels
The formula for success: strength + elasticity = reliability²

1. The first hybrid dental ceramic in the world with dual network structure
   The ceramic-polymer network structure combines the positive properties of both materials in a hybrid material.

2. The perfect combination of stability and elasticity
   The dominant basic ceramic network (86% by weight) ensures stability and the polymer network (14% by weight) guarantees elasticity.

3. Enormous strength since masticatory forces are absorbed
   The dual network structure ensures enormous strength. Masticatory forces are absorbed by the polymer network.

4. Utmost reliability and integrated crack-stop function
   In comparison with other dental materials, the highest Weibull modulus is achieved. Moreover, it was found that possible crack formation in the ceramic is stopped by the polymer network.

5. Precise and accurate restorations
   Exceptional edge stability and reproduction of details ensure accurate results.

6. Excellent final results with superb esthetics
   The material exhibits excellent light conductivity, blends perfectly into the residual tooth substance and produces a natural play of colours.

7. Fast and efficient processing
   Shorter milling times than those of comparable materials and considerably extended service life of milling tools.

8. Posterior crowns
   Crowns in the posterior region benefit from the special absorption properties of the polymer network.

9. Minimally invasive restorations
   Prevention of tooth substance is possible thanks to the ability to fabricate high-precision restorations with reduced wall thickness.

10. In 5 shades and 2 translucency levels
    VITA ENAMIC is available in five VITA SYSTEM 3D-MASTER SHADES (OM1 TO 3M2) and two translucency levels.

“I love Enamic, I’m totally sold. I like the fact you don’t get chipping at the margins when milling thinner sections which means you can be more conservative with your preps. Mostly though it’s Enamic’s ease of use and the fact that it polishes up so easily to a lovely shine that does it for me.”

Dr Robert Muirhead BDS
Muirhead & Associates, Bradford
**VITA ENAMIC® - A new definition of resistance**

Source: VITA R&D; Test: molar crowns, hybrid ceramic dies (E-modulus similar to dentin) cemented with RelyX Unicem, stored and statically loaded until fracture occurred!

**Summary:** In this test design, VITA ENAMIC exhibits the highest fracture load of approx. 2,890 Newton (N) and the lowest standard deviation.

![Fracture load graph](image)

**VITA ENAMIC® - For elasticity**

VITA ENAMIC is the only material in the test that features elasticity of 30 GPa, a value within the range of natural (human) dentine.

Important: The hybrid ceramic is not a composite since the ceramic and polymer networks (dual network structure) penetrate one another completely.

**VITA ENAMIC® - For longer bur-wear and efficient milling**

Source: VITA R&D; Test: Using one pair of milling tools each, as many molar crowns as possible were milled from various CAD/CAM materials in the Sirona MC XL milling system.

VITA ENAMIC can be milled more efficiently than comparable materials. In the direct comparison, the material allows to achieve the longest service life of milling tools (approx. 148 or 132 milled crowns).

![Milling efficiency graph](image)
Vitablocs®

The bedrock of Cerec for more than 25 years!

It’s no coincidence that VITABLOCS Mark II produce superior results in practice and in science. Dentists particularly appreciate the fact that VITABLOCS Mark II are available in up to 15 shades, 6 sizes and 3 variations, covering a wide range of indications and ensuring excellent aesthetics, quality and long-term results.

Vitablocs® Advantages:

VITABLOCS Firsts
- First and only CAD/CAM blocks specifically designed for CEREC
- First fine-structure dental ceramic blocks in the world
- First glass-infused ceramic blocks
- First multi-coloured, layered blocks
- First 3-dimensional block structure
- First CAD/CAM block veneering material for bridges

VITABLOCS Mark II Benefits
- Outstanding aesthetics in one visit
- Clinical studies demonstrating long-term success (18 years plus!)
- Natural, lifelike look and feel

VITABLOCS Mark II Advantages
- Multiple indications - one product family
- Minimizes bur wear
- Wide range of shades and sizes
- Wears like enamel against opposing dentition

The VITABLOCS Mark II Experience
By using VITABLOCS Mark II, you ensure:
- Clinical success
- Biocompatibility
- Outstanding aesthetics

Crown Fracture Resistance (N)

2500
2000
1500
1000
500

IPS e.max* CAD

Vitablocs® Mark II

Bonded
Cemented


* Not a registered trademark of VITA or Vident; ** Cementation not recommended
“I have been using Vitablocs for over 7 years and have completed thousands of restorations from simple inlays to complete smile makeovers with veneers and crowns. The Vitabloc is the most widely used and clinically tested CEREC material in the world and Vitablocs are my number one choice when prescribing CEREC restorations for my patients.”
Dr. Simon C Smyth BDS
Hampshire dentist and CEREC user

“Vita Mark II blocs save time and I am guaranteed stunning aesthetics! I also like Vita Triluxe finer nuances in shade transition that make the restoration look so natural! Vitablocs Mark II are definitely my preferred blocs.”
Dr. Raj Panesar
London dentist and CEREC user

“Since 2004 my choice to provide highly aesthetic, durable results with CEREC dentistry has been Vita Mark II and Vita Triluxe blocks. Anterior or posterior, singles or multiples, provincial practice or London’s Harley Street... These blocks have proven themselves in my hands and those of my delegates on my courses. The comparison to natural tooth has to be seen to be believed.”
Dr. Gulshan Murgai BDS (U. Birm.)
Hertfordshire dentist, CEREC user and Accredited CEREC trainer

VITABLOCKS® Success Stories:

VITA VACUMAT 6000M
Porcelain furnace with V Pad Clinical

This fully automatic microprocessor - controlled firing unit is ideal for all ceramic materials available on the market. For atmospheric and vacuum (pre vacuum and main vacuum) firings. For furnace soldering of ceramic work. For special programmes such as crystallisation firing. Thanks to its ergonomic design, the unit takes little place on the bench unit and includes a host of new features to ensure first rate firing results, user safety and convenience.
Navigate your way to Better Shade Determination with the Vita Linear Shade Guide

Expertise, Quality, Efficiency and Reliability

- Ease of use of Classical shade guide and Accuracy of Vita 3D system.
- Developed in conjunction with the Dental Branch of the University of Texas, the system contains the same 29 shades as the Vita Toothguide 3D-Master.
- The modern design and systematic structure of the Vita Linearguide enables the appropriate 3D-Master shade to be found quickly and accurately.

Vita’s new Linearguide enables you to take shades swiftly and accurately. Vita’s 3D technology upgrades your conventional shade taking to precise shade determination which can be accurately communicated to and reproduced with greater ease and accuracy by your laboratory.

NEW!

Vita Easyshade Advance V4
Perfect, Pure Shade Determination

- With Vita Easyshade Advance shade determination has now reached unprecedented levels of accuracy.
- The system, incorporating Vita ShadeAssist software delivers precise and unmistakable communication between dental practices and laboratories.
- With its own LED light source the Easyshade Advance generates precise measurements in all lighting conditions and at any time of the day or year.
- Ergonomic design ensures easy operation and maximum comfort for the patient.
- Visit www.panadent.co.uk to see a video demonstration of the Easyshade Advance.
**Start Up Options**

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**Full Kit for Vitabloc Startup**

- **VITABLOCs**
  - 5 pcs. **VITABLOCs Mark II for CEREC/inLab 3D-MASTER, VS-12, IV, 10, 112** £49.60
  - Triluxe forte for CEREC / inLab £64.60
  - VITABLOCs RealLife for CEREC/inLab, RL-14/14 £89.30
  - VITA CAD-Temp multicolor for CEREC/inLab £38.60
- **5 pcs.** **VITABLOCs Trilux forte for CEREC / inLab TF-14** £64.60
- **VITABLOCs RealLife for CEREC/inLab, RL-14/14** £89.30
- **VITA CAD-Temp multicolor for CEREC/inLab** £38.60

**Total Option 1 - Enamic User Option**

- **Enamic Clinical Starter Kit**
  - 5 packs of VITA ENAMIC high translucent, OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - 5 packs of VITA ENAMIC translucent OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - VITA ENAMIC Clinical Polishing Set - 8 pre- and high-gloss polishers for the contra-angle Hand piece
  - Enamic Stains Kit
  - Eyevolution light polymerisation unit with integrated timer (5/10 min) S/No
  - Vita VITASIL - Syringe 3ml
  - Vita Ceramics Etch

**Option 2 - Vitabloc User**

- **Enamic User Option**
  - 5 packs of VITA ENAMIC translucent OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - VITA ENAMIC Clinical Polishing Set - 8 pre- and high-gloss polishers for the contra-angle Hand piece
  - Enamic Stains Kit
  - Eyevolution light polymerisation unit with integrated timer (5/10 min) S/No
  - Vita VITASIL - Syringe 3ml
  - Vita Ceramics Etch

**Option 3 - Zirconia Bridges**

- **Zirconia Bridges**
  - VITABLOCs high translucent, OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - VITA ENAMIC Clinical Polishing Set - 8 pre- and high-gloss polishers for the contra-angle Hand piece
  - Enamic Stains Kit
  - Eyevolution light polymerisation unit with integrated timer (5/10 min) S/No
  - Vita VITASIL - Syringe 3ml
  - Vita Ceramics Etch

**Total Option 2 - Enamic User Option**

- **Enamic User Option**
  - 5 packs of VITA ENAMIC translucent OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - VITA ENAMIC Clinical Polishing Set - 8 pre- and high-gloss polishers for the contra-angle Hand piece
  - Enamic Stains Kit
  - Eyevolution light polymerisation unit with integrated timer (5/10 min) S/No
  - Vita VITASIL - Syringe 3ml
  - Vita Ceramics Etch

**Total Option 4 - Enamic Plus User with Easyshade Advance**

- **Enamic Plus User with Easyshade Advance**
  - 5 packs of VITA ENAMIC translucent OM1 - 3M2 for each shade (1 pack cont. 5 pieces)
  - VITA ENAMIC Clinical Polishing Set - 8 pre- and high-gloss polishers for the contra-angle Hand piece
  - Enamic Stains Kit
  - Eyevolution light polymerisation unit with integrated timer (5/10 min) S/No
  - Vita VITASIL - Syringe 3ml
  - Vita Ceramics Etch

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All prices subject to vat and E&OE
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 according to 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, positive breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. Date of issue of these instructions for use: 05.11

Available from:

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www.henryschein.co.uk

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