VITAVM® LC
Newly defined possibilities

VITA shade determination | VITA shade communication | VITA shade reproduction | VITA shade control

Limitless – for all possibilities
Esthetic – for simply beautiful teeth
Individual – like life itself
Reliable – due to optimum characteristics
Versatile – but always the right choice
Limitless – for all possibilities

- Consistencies
- Light-curing
- Bonding system
- Shade system
- Indication
Welcome to the new dimension!

Simple to use. Cost-effective and esthetic results. Versatile range of applications: The VITA VM LC product family meets all your expectations when it comes to a veneering composite for extraoral restorations.

Whether using a paste or flow material or an individual combination: you will always achieve brilliant results with the light-curing microparticle composite VITA VM LC. Very close to ceramic — and always part of a system. VITA VM LC is a high-quality system component of the innovative VITA VM concept — the universal solution for all common indications. Whether metal-ceramic, all-ceramic or composite: The possibilities are endless!

Benefits at a glance

- Two forms of processing for almost unlimited possibilities
- Perfectly matched with all indications
- Superb esthetics and excellent shade reproduction (original VITA shade formula)
- Outstanding material properties

The choice is yours!

VITA VM LC provides a clearly structured range of options for daily work — from the perfect consistency to the required indication. We give you freedom of choice!

Consistencies
The choice is yours: VITA VM LC paste or VITA VM LC flow. In addition to an almost unlimited variety of combinations. The VITA VM LC flow materials are distinguished by optimum handling and are the successful addition to the proven VITA VM LC pastes.

Shade system
The choice is yours: With the VITA SYSTEM 3D-MASTER shades and the VITA classical A1 – D4 shades, you have two proven shade systems at your disposal.

Light-curing device
The choice is yours: VITA VM LC can be reliably and completely polymerized in most commercially available light-curing devices*.

Bonding system
The choice is yours: Almost all bonding systems or primers for the metal-composite bond are approved for use with VITA VM LC*.

Indication
The choice is yours: VITA VM LC can be used for almost all indications and can be combined with most VITA materials*.

* Details can be found in the VITA VM LC working instructions and on our homepage www.vita-zahnfabrik.com
Esthetic – for simply beautiful teeth
Beautiful teeth are our mission

When it comes to ceramics, we are virtually unsurpassed at VITA. VITA VM LC allows esthetic results that are almost indistinguishable from a real ceramic veneer!

And now that low-viscous and paste-like consistencies can also be combined with VITA VM LC, the paths to brilliant esthetics are more varied today than ever before. Fast, reliable, individual. This is the new choice!

Benefits at a glance

- Excellent light-optical characteristics – due to the particularly homogenous distribution of the fine-grain inorganic filler that is very close to ceramic.
- Optimum adjustment of fluorescence and opalescence
- Utmost brilliance and translucency in accordance with natural teeth
- Convincing red/white esthetics

Different degrees of translucency based on the following pattern (from left to right):

CHROMA PLUS CP2, EFFECT ENAMEL EE2, ENAMEL LIGHT ENL, WINDOW WIN. Thickest point (top): 2.0 mm, thinnest point (bottom): 0.5 mm.
Individual – like life itself
Individual

You know best what you want!

One product. Two forms of processing. A unlimited number of options. And suitable for almost all indications.

Thanks to their excellent handling with a brush or instrument, the VITA VM LC flow materials are ideally suited for individualization and intensivation on the tooth neck as well as for delicate and esthetic precision work in the incisal area. The VITA VM LC flow materials are abrasion-resistant and can be optimally used on the surface.

Whether anterior or posterior tooth restoration: VITA VM LC is just as individual as the wishes of its users. One thing is the same for every problem: The desire for an optimum result. We are pleased to give you the opportunity to achieve this.

Can be perfectly used for almost all indications

- Full / partial veneering of crowns / bridges / telescopes / implant superstructures
- Reconstructions of gingival portions, e.g. implant restorations
- Inlays / veneers
- Layering over of VITA CAD-Temp
- Individualization of VITA acrylic teeth
- Veneering / individualization of VITA ENAMIC restorations
- Veneering of removable and partly removable dental prostheses made of polyether ether ketone (PEEK)*

* Details can be found in the VITA VM LC working Instructions and on our homepage www.vita-zahnfabrik.com

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

VITA acrylic teeth with VITA MRP material (microfiller reinforced polyacrylic material) that has been proven for decades (VITAPAN PLUS, VITAPAN, VITA PHYSIODENS, VITA LINGOFORM)

Composite blanks for the fabrication of long-term temporary restorations
Reliable – due to optimum characteristics
**Which you can rely on!**

We know what you expect of a composite. With VITA VM LC we have developed a product that meets all your requirements – shade-stable with low plaque affinity and optimum to process.

The outcome: Results that you can count on. Reliably!

**Benefits at a glance**

- Light, individual and for controlled modelling
- High material strength, reliable bonding and first-class surface quality
- Outstanding polishability and reduced material shrinkage due to a highly cross-linked matrix with the use of a special polymer
- Scientifically proven abrasion strength*
- Especially shade-stable and low plaque affinity
- High surface density, minimum water absorption and low surface roughness
- Reliable shade-taking procedure and reproduction

An abrasion simulation study* of resin veneering materials shows that VITA VM LC Enamel features high abrasion strength in comparison to competitors’ products.

*Quintessenz Zahntechnik 2010;36(8):1074-1082

<table>
<thead>
<tr>
<th>Product</th>
<th>Flexural strength MPa**</th>
<th>Modulus of elasticity MPa</th>
<th>Inorganic filler content weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITA VM LC EN Paste</td>
<td>approx. 110</td>
<td>approx. 4500</td>
<td>41 – 52</td>
</tr>
<tr>
<td>VITA VM LC flow</td>
<td>approx. 130</td>
<td>approx. 7000</td>
<td>55 – 68</td>
</tr>
</tbody>
</table>

** Measured acc. to DIN EN ISO 10477
Versatile – but always the right choice
A systematic range

From PRE OPAQUE, PASTE OPAQUE to BASE DENTINE and additional materials including ENAMEL: With the VITA VM LC family, we provide you with a product range that always offers the perfect solution for all tasks. And systematically as well!

<table>
<thead>
<tr>
<th>Material</th>
<th>Flow*</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE DENTINE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Shade-defining BASE DENTINE materials</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>ENAMEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Translucent enamel materials</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>NERUROTAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Universal translucent material</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>WINDOW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Transparent material, for crystal-clear effects in the enamel area</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– For mixing and layering of VITA VM LC PAINT stains on VITA VM LC, VITA acrylic teeth and VITA CAD-Temp</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– For mixing flow materials</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– For coating the finalized veneer</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– For covering cracks</td>
<td></td>
<td>– –</td>
</tr>
<tr>
<td>EFFECT ENAMEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Translucent enamel effect material for all enamel areas</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– For achieving a natural effect of depth</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>– Can be mixed with PAINT and WINDOW</td>
<td></td>
<td>✓ –</td>
</tr>
<tr>
<td>CHROMA PLUS (flow &amp; paste)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Shade-intensive materials</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>– To be applied in the tooth-neck area or across the entire surface of the opaquer</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>– The intensity can be controlled through the thickness of the layer</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>– Stronger fluorescent effect</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>– Can also be used as a correction material, depending on the shade</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>CHROMA PLUS (flow)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– For increasing the bonding strength</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>– Cures optimally and allows an even opaquer layer</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>OPAQUE PASTE &amp; GINGIVA OPAQUE PASTE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– For fast handling with optimum covering capacity and stability due to the homogeneous visco-elastic consistency</td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>OPAQUE POWDER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– As an alternative to OPAQUE PASTE, OPAQUE POWDER is available in many shades with a long storage capability</td>
<td></td>
<td>✓ ✓</td>
</tr>
</tbody>
</table>

**VITA VM LC GEL**

For preventing the inhibition layer during final polymerization.

* The VITA VM LC flow materials are abrasion-resistant and can be used on the surface. They can be mixed with one another. Moreover, the VITA VM LC flow materials can be shaded by combining with VITA VM LC PAINT materials.

** except B1
VITA VM LC is available in VITA SYSTEM 3D-MASTER and VITA classical A1 – D4 shades. Shade compatibility is guaranteed with all VITA 3D-MASTER and VITA classical A1–D4 materials.

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 applications. 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 and this results in damage. The VITA Modulbox is not necessarily a component of the product. Date of issue of this information: 05.19

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

VITA Zahnfabrik has been certified and the following products bear the CE mark:

VITA VM®LC · VITA ENAMIC® · VITA CAD-Temp® · VITAPAN®
VITAPAN® PLUS · VITA PHYSIODENS® · VITA LINGOFORM®