

VITAVM®LC flow

Quickstart Working Instructions



Flowable, light-curing veneering composite for fixed and removable restorations.

VITA – perfect match.

VITA

> Facts & Features

VITAVM®LC flow:

- Flowable, light-curing veneering composite for fixed and removable restorations

With VITAVM®LC flow, you will benefit from:

- Precise modelling, thanks to very good flowability and high stability, due to thixotropic consistency
- High-vitality results based on natural teeth
- Homogenous surfaces with brilliant high gloss, thanks to simple polishing availability through a highly cross-linked polymer matrix with homogeneously distributed microparticle fillers
- High load capacity and surface resilience

For which indications?

- Veneering of crowns, bridges, telescopic crowns, implant superstructures
- Individualization of denture teeth
- Reconstruction of gingival areas

For which materials?

- Dental alloys, hybrid ceramic, zirconia, CAD/CAM composite, PEEK, composite/polymer denture teeth

Polymerization information

VITA has tested the most common light curing devices in combination with VITA VM LC. Polymerization times and information can be found at www.vita-zahnfabrik.com or here:



>1. Preparatory steps

▶ Conditioning of the framework and processing of PRE OPAQUE



1

💡 Processing information:

PRE OPAQUE

- Sandblast metal surface, prepare with bonding system
- Apply PRE OPAQUE thinly with a disposable brush
- Leave edges free
- Polymerize

⚠ Please note:

- Use the selected bonding system in accordance with the instructions and then apply PRE OPAQUE directly

📖 Note:

The following bonding systems have been tested and approved by VITA for reliable bonding between metal and composite:

- GC METAL PRIMER Z, GC METAL PRIMER II
 - Kuraray Alloy Primer
 - Heraeus Kulzer Signum Metal Bond I + II
 - Shofu MZ Primer Plus
 - 3M Espe Rocatec with Espesil
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> 2. OPAQUE PASTE processing

▶ Processing of OPAQUE PASTE



! Processing information:

OPAQUE PASTE

- Apply the first layer of opaque paste with a disposable brush and polymerize
- Apply the second layer of opaque paste with a disposable brush and polymerize
- If the metal is still not covered, apply a thin third layer and polymerize

! Please note:

- After the opaque materials are polymerized, the flow materials should be applied directly
 - If that is not immediately possible, the substructure must be protected against dust and moisture
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> 3. DENTINE layering

▶ Layering of BASE DENTINE



1



2

! Processing information:

DENTINE layering

- In the case of chromatic tooth shades, or if space is at a premium, apply flow CHROMA PLUS materials cervically or across the entire surface
- Layer BASE DENTINE in a reduced tooth shape
- Set by curing briefly

! Please note:

- Alternatively, fully anatomical layering can be performed and an intermediate polymerization carried out, followed by a cut-back using a fine-cut carbide milling tool

> 4. ENAMEL layering

▶ Layering of ENAMEL



1



2

! Processing information:

ENAMEL layering

- Supplement the tooth shape using ENAMEL
- Set by curing briefly
- Apply a layer (max. 2 mm) of VITA VM LC GEL directly from the syringe or use an instrument
- Final polymerization

> 5. Finalization

➤ Finishing and polishing



⚠ Processing information:

Finalization

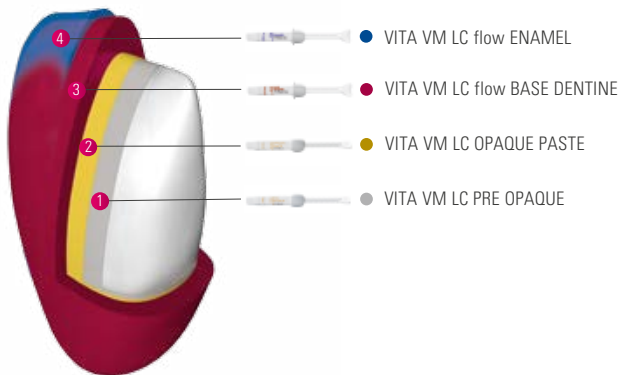
- Finishing is carried out with fine-cut tungsten carbide burs
- Prepolishing can be carried out using a suitable silicone polisher, for example, from the VITA ENAMIC Polishing Set technical, and a small goat-hair brush
- High-gloss polish using a polishing material for veneering composites and a wool/leather buff

⚠ Please note:

- It is recommended to clean the completed restoration under running water using a small amount of cleaning liquid and a soft or medium-hard toothbrush

> Layering concept

▶ Example: layering concept



💡 Note:

- VITA VM LC PRE OPAQUE and OPAQUE PASTE materials for masking framework structures
- VITA VM LC flow BASE DENTINE materials for neck and body areas
- VITA VM LC flow ENAMEL materials for the incisal area

> Layering technique

▶ Example of STANDARD layering

Preparatory
steps

1



OPAQUE PASTE
processing

2



BASE DENTINE
layering

3



ENAMEL
layering

4



Finalization

5



Final result



> Hotline and support



We are here to help

▶ Technical hotline

If you have technical questions concerning VITA product solutions, you can contact our technical specialists, Mr. Ralf Mehlin and Mr. Daniel Schneider.

Phone +49 (0) 7761/56 22 22

Fax +49 (0) 7761/56 24 46

8 am to 5 pm CET

e-mail info@vita-zahnfabrik.com

Additional international contact information can be found at www.vita-zahnfabrik.com/contacts

▶ Online support

Questions about processing and product solutions? You can find competent answers online in the form of FAQs, videos and electronic tutorials.

More detailed information can be found in the comprehensive VITA VM LC flow Working Instructions.

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