For full veneering of metal frameworks in the conventional CTE range (13.8 – 15.2).
Available in VITA SYSTEM 3D-MASTER and VITA classical A1–D4 shades.
VITA VMK Master® – FACTS & FEATURES

VITA VMK Master is:
- A natural feldspar veneering ceramic for conventional bonding alloys

With VITA VMK Master you will benefit from:
- Precise and safe processing
- Top processing features including very good modeling properties
- Simple handling and minimum shrinkage behavior
- Highly esthetic restorations thanks to brilliant colors

SYSTEM COMPONENTS

VITA AKZENT Plus  VITA INTERNO
VITA VMK Master® – Preparatory steps

OPAQUE FIRING:

Application of OPAQUE:
- Mix powder opaque with OPAQUE FLUID to obtain a creamy consistency.
- Apply with a brush or a glass instrument to mask the surface of the veneer.
- If required, repeat the procedure for a second firing so that the substructure is completely coated.

Please note: Carry out WASH OPAQUE or VITA NP BOND firing especially with non-precious metal, milling and sintering alloys to achieve enhanced bonding. More information is available at www.vita-zahnfabrik.com

Recommended firing - OPAQUE firing

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# 2 - VITA VMK Master® – STANDARD layering

## Dentine layering

Layering:
- If limited space is available, apply OPAQUE DENTINE to the base surfaces and to the cervical area of the pontic.
- Build up the complete tooth shape in DENTINE starting from the mesial and distal ridges.
- To obtain sufficient space for the enamel, the DENTINE is reduced in the upper third.

**Please note:** Frequently, cuspids do not provide sufficient space for dentine and enamel materials. Therefore a thin layer of OPAQUE DENTINE is applied in this area to ensure that the correct shade is maintained, in particular for layer thicknesses below 0.8 mm.
ENAMEL layering

Layering:
- ENAMEL is applied to complete the crown shape
- To compensate firing shrinkage, the crown must have a slightly larger size.
- Using a slightly moist separating knife, the individual units of bridges are separated in the interproximal areas down to the opaque, prior the first dentine firing.

Please note: After removing the bridge from the model, the contact points need to be completed using DENTINE and ENAMEL. Then the bridge is placed on a firing tray for the subsequent firing process.

Recommended firing – first dentine firing

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3 VITA VMK Master® – Finalization

Glaze firing with VITA AKZENT Plus

Finalization:
- If required, the entire restoration can be coated with VITA AKZENT Plus GLAZE.
- VITA AKZENT Plus stains are available to create shade nuances and individual characteristics

Please note: Before processing is continued, grinding particles are carefully removed from the restoration using a toothbrush under running water or the steam jet.

Recommended firing – Glaze firing with VITA AKZENT Plus

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VITA VMK Master® – Layering concept

1. OPAQUE firing

2. DENTINE layering

2a. Result after first dentine firing
2b. Layering for second dentine firing

2. ENAMEL layering

optional adjustment of the shape

3. Finalization, characterization, polishing

4. Result of second firing, adjustment of the shape
TECHNICAL HOTLINE
Questions about VITA product solutions? The experienced dental technicians and technical consultants Ralf Mehlin (DT) and Daniel Schneider (DT) can answer your questions here:

- Phone +49(0)7761/56 22 22
  E-mail: info@vita-zahnfabrik.com
- 8 a.m. to 5 p.m. CET

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

More detailed information can also be found in the comprehensive VITA VMK Master Working Instructions.

- www.vita-zahnfabrik.com
- www.facebook.com/vita.zahnfabrik