For full veneering of metal frameworks in the conventional CTE range (13.8 – 15.2).
Facts & Features

VITA VMK Master® is:
- a natural feldspar veneering ceramic for full veneering of metal substructures in the conventional CTE range (13.8 - 15.2).

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
1. Preparatory steps

(OPAQUE firing

- 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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<tr>
<td>Paste</td>
<td>500</td>
<td>6.00</td>
<td>5.38</td>
<td>80</td>
<td>950</td>
<td>1.00</td>
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<tr>
<td>Powder</td>
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<td>2.00</td>
<td>5.38</td>
<td>80</td>
<td>950</td>
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2. DENTINE layering

Layering of DENTINE

1. if limited space is available, apply OPAQUE DENTINE to the base surfaces and to the cervical area of the pontic
2. build up the complete tooth shape in DENTINE, starting from the mesial and distal ridges
3. to obtain sufficient space for the enamel, the DENTINE is reduced in the upper third

Processing information:

DENTINE 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
- in such cases, a thin layer of OPAQUE DENTINE is applied to ensure that the correct shade is maintained, particularly for layer thicknesses below 0.8 mm
3. ENAMEL layering

Layering of ENAMEL

- 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 bridge units are separated in the interproximal areas down to the opaque, prior to 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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<tr>
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<td>7.49</td>
<td>55</td>
<td>930</td>
<td>1.00</td>
<td>7.49</td>
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4. Finalization

Glaze firing with VITA AKZENT Plus

Processing information:
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 further, grinding particles must be removed from the restoration using a toothbrush under running water or with the steam jet!

Recommended firing – Glaze firing with VITA AKZENT Plus

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<thead>
<tr>
<th>Predry. ºC</th>
<th>→ min.</th>
<th>→ min.</th>
<th>ºC/min.</th>
<th>Temp. approx. ºC</th>
<th>→ min.</th>
<th>VAC min.</th>
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<tbody>
<tr>
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<td>5.15</td>
<td>80</td>
<td>920</td>
<td>1.00</td>
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Layering technique

Example of standard layering

1. OPAQUE firing
2. DENTINE layering
3. ENAMEL layering
4. Finalization

Result after first dentine firing

3a. Optional adjustment of the shape after first dentine firing
3b. Result after second dentine firing

Final result
Hotline and support

We are here to help

Technical Hotline
If you have technical questions regarding VITA product solutions, please contact our technical consultants 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 also be found in the comprehensive VITA VMK Master Working Instructions.

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