VITA CAD-Waxx
Working Instructions

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

Date of issue: 06.16

VITA shade, VITA made.

Acrylate polymer for casting or pressing that burns out without leaving any residue
The material and its benefits

VITA CAD-Waxx, an acrylate polymer that burns out without leaving any residue, is used for computer-aided fabrication of waxups for pressing or casting, the fabrication of drilling templates for implant restorations and the CAD/CAM fabrication of provisional models for fit verification.

The material is characterized by the following properties and benefits:

- Can be ground or milled, depending on the CAM system
- High torsional resistance and dimensional accuracy in comparison with modeling wax, even in the case of large-span restorations
- Optimum wall and connector strengths can be defined for VMK frameworks, requiring only a minimum amount of reworking.
- If there are problems with the cast, remodeling is not required; only the milling or grinding process must be repeated
- The fabricated molds can be combined with casting wax or with the finished parts familiar from casting procedures
- Allows try-in of molds in situ
- Easy verification of the fit thanks to transparent appearance
- Burns out without leaving any residue
- CAD-Waxx is a class I medical product approved for try-in in the patient’s mouth.

Indication

### Indication

<table>
<thead>
<tr>
<th>Indication</th>
<th>VMK crown framework</th>
<th>VMK bridge framework</th>
<th>Full-cast crown</th>
<th>Full-cast bridge</th>
<th>Press-to technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITA CAD-Waxx</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

○ recommended

Contraindication:

VITA CAD-Waxx is not suitable for the fabrication of temporaries and may not be cemented in the mouth either on a temporary or on a permanent basis.
**Application: modeling wax replacement**

- VITA CAD-Waxx is used for grinding / milling embeddable casting models for the fabrication of primary crowns in telescope procedures
- Fabrication of crowns and bridge frameworks for use in VMK procedures
- Fabrication of crowns and bridges in full-cast procedures
- Grinding / milling of embeddable press-ceramic restorations
- Fabrication of fully anatomical restorations, for example, using VITA PM 9
- Fabrication of secondary structures for press-over constructions, such as crowns and bridges supported by zirconia, for example, using VITA PM 9

**Application: try-in for model verification**

- Verification of the accuracy of the model in terms of its fit in the patient's mouth before the restoration is ground / milled from the final material.
- The mold / framework must be cleaned using ethanol prior to try-in in the patient's mouth.
Simple processing – step by step

⚠️ Important note:
When processing VITA CAD-Waxx using a CAM system, please observe the relevant manufacturer’s instructions.

When grinding / milling molds (secondary structures) for use in press-to constructions (crowns and bridges supported by zirconia), a minimum layer thickness of 0.7 mm must be observed in order to achieve the perfect press result.

Once the grinding / milling process has been completed (CAM), remove the lugs using a fine cross-cut carbide milling tool (red ring).
Ground / milled mold on the working model.

The thickly milled margins are reduced using a cross-cut carbide milling tool (red ring). In the case of fully anatomical molds, the occlusion must be verified.

If required, the margins of the mold can be optimized using casting wax.

On the working model, the mold is optimized using casting wax.

As is customary in casting / press procedures, the mold is fitted with wax sprues and waxed onto the funnel former. When doing so, the instructions provided by the alloy manufacturer and press-ceramic manufacturer must be observed.
Invest the casting model in accordance with the instructions of the investment material manufacturer and place in the preheating furnace.

⚠️ Important:
Specific weight of VITA CAD-Waxx: 1.18 g / cm³

The quantity of alloy in g that is required for the restoration is calculated by multiplying the density of the alloy by the weight of the ground / milled VITA CAD-Waxx mold in g, divided by a factor of 1.18.

Cast bridge framework comprised of a dental alloy and prepared for veneering.

Recommended tools and materials

- Fine and coarse cross-cut carbide milling tools
- Standard commercially-available modeling waxes
- For use in casting: standard commercially-available investment materials
- For use with press ceramics: VITA PM investment materials
VITA CAD-Waxx® – Assortments

**VITA CAD-Waxx for inLab® Standard pack**

- Prog. No.: EC4CW402
- Dimensions: 14 x 15 x 40 mm
- Designation: CW-40/15
- Pack cont. 2 pieces

**VITA CAD-Waxx for inLab® Large pack**

- Prog. No.: EC4CW4010
- Dimensions: 14 x 15 x 40 mm
- Designation: CW-40/15
- Pack cont. 10 pieces

**VITA CAD-Waxx DISC**

- Prog. No.: ECCWD98201
- Dimensions: Ø 98.4 x 20 mm
  (with circumferential groove)
- Designation: CT-DISC
- Pack cont. 1 piece
With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.

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Date of issue of this information: 06.16

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

VITA Zahnfabrik has been certified in accordance to the Medical Device Directive and the following products bear the CE mark:

VITA CAD-Waxx