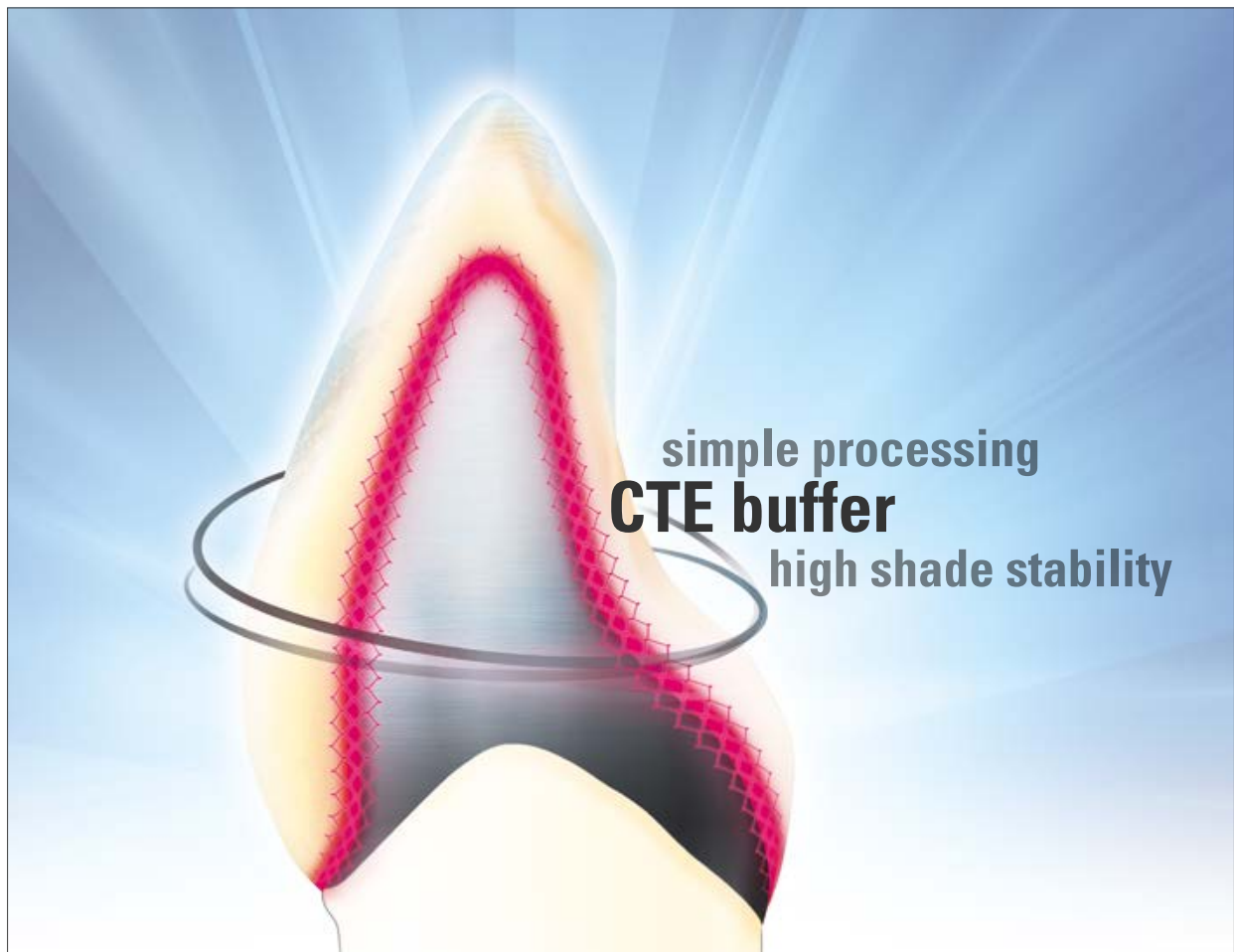


# VITA NP BOND Paste

Product information



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 03.19

VITA – perfect match.

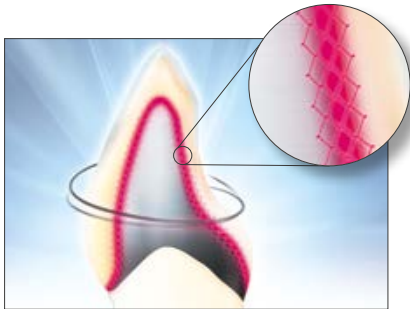
**VITA**

## Product description

VITA NP BOND Paste (NP: non-precious) improves bonding between metal frameworks and veneering ceramics, particularly in the case of specific non-precious metal dental alloys. When using these specific alloys, VITA NP BOND

Paste provides dental technicians with greater reliability in fabricating veneers that offer superior long-term stability and esthetics.

## VITA NP BOND Paste – Benefits



### Reliable adhesion

VITA VMK Master and VITA VM 13 feature high processing tolerances and are successfully applied to numerous precious metal-free alloys all over the world. NP Bond Paste was developed since there are variations in the CTE during the cooling phase when using specific alloys\*.

Comparable to a buffer, the innovative bonder balances out the different levels of CTE-related stress at the layer between the precious metal-free alloy and the ceramic and ensures reliable adhesion of the ceramic to substructures made of laser-sintered, CAD/CAM milled and cast precious metal-free alloys\*\*.



### Simple processing

The ready-to-use paste not only makes mixing a thing of the past but also saves time. Its consistency, which has been perfectly adapted in advance, also guarantees consistent processing characteristics, preventing errors during use.



### Warmer golden hue for esthetic results

The shade of VITA NP BOND Paste not only lends a warm basic hue, it also provides the veneer with an enhanced effect of depth and optimizes the esthetic appearance of the restoration.

Conditioning the substructure using VITA NP BOND Paste means that firing with WASH OPAQUE is no longer required.



Photo: Klaus Wink, Kleinsmann Dental Center, Germany

\* In internal tests, four out of more than 50 precious metal-free alloys revealed defects during and after ceramic veneering, such as cracks during first dentine firing or did not produce a good result in the thermal stability test of the material combinations.

This must be attributed to an "inflection" in the CTE curve in the area of the glass transition temperature of the fired ceramic.

\*\* Information about the alloy list is available at [www.vita-zahnfabrik.de](http://www.vita-zahnfabrik.de)

## VITA NP BOND Paste – Working instructions for successful veneering



### Substructure preparation

- Prepare the framework in accordance with the criteria specified by the alloy manufacturer.
- Carry out oxide firing in accordance with the manufacturer's instructions.
- The metal surface should be sandblasted in accordance with the alloy manufacturer's instructions.
- Afterwards, you should no longer touch the metal surface.
- Clean the substructure with steam.



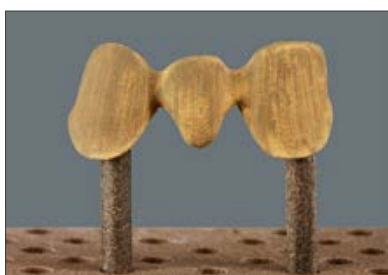
### Mixing

- Before using for the first time, mix VITA NP BOND Paste thoroughly using a spatula or a brush.
- If VITA NP BOND Paste has dried out, you can mix it to its original consistency again using VITA PASTE FLUID. Other liquids are not suitable for this purpose.



### Application

- Apply an opaque layer of VITA NP BOND Paste to the framework (similar to a washbake) and then perform firing in the ceramic furnace.



### Opaque firing and further processing

- A washbake is no longer necessary once VITA NP BOND Paste has been used. Accordingly, you will achieve an ideal result without additional effort.
- After simple bonder firing, normally only opaque firing is required so that you can save material and time.



### Essential aspect during firing

- Optimal firing results are achieved with VITA ceramic furnaces which feature a special firing program for VITA NP BOND Paste.

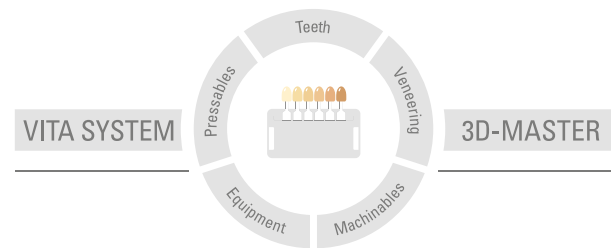
Predry. temp. in °C	min.	min.	°C/min.	Temp.* approx. °C	min.	VAC 600°C min.
600°C	6.00	6.00	60	960	1.00	6.00

\* The values specified are guide values and are intended solely as a general guide. The firing results depend on the performance, make and age of the furnace.

A video about processing is also available at <https://www.vita-zahnfabrik.com/npbond>



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: 03.19

After the publication of this information for use any previous versions become obsolete. The current version can be found at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)

VITA Zahnfabrik has been certified and the following products bear the CE mark **CE 0124**:

**VITA NP BOND Paste**

# VITA

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