

VALLBOND™

ADHESIVE COATING

VALL-CER d.o.o.
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CE
1370

EN

INSTRUCTIONS FOR USE

GENERAL INFORMATION

VALLBOND™ vial contains precursor solution for application of alumina adhesive coating, created to significantly improve the luting cement bond strength to dental prosthetic restoration by providing enhanced chemical bonding and mechanical interlocking. If applied, no chemical or mechanical pre-treatment of indirect restorations is needed.

PACKAGE

VALLBOND™ adhesive coating – 1 vial of 20 ml precursor solution.

INDICATIONS

VALLBOND™ adhesive coating is used for non-invasive surface pretreatment of ceramic dental restorations, such as, inlays, onlays, crowns, bridges, veneers etc., and serves as a bonding promoter agent of surfaces to be bonded/cemented.

CONTRAINDICATIONS

Any use not listed in the Indications.

SIDE EFFECTS

No side effects are known.

APPLICATION

1. Unscrew the cap of the **VALLBOND™** vial.
2. Into the vial insert a clean prosthetic restoration, which needs surface pretreatment.
 - If necessary, previously clean the restoration in an ultrasonic bath for about 1 minute, then thoroughly rinse the restoration with water spray and dry it with oil-free stream of air.
3. Put the open vial with inserted prosthetic restoration on the heater plate.
4. Switch on the heater and bring the solution to a boil. Leave the **VALLBOND™** to boil for 5 minutes. When the solution becomes turbid, the coating synthesis is completed.
5. Take the vial off the heater and remove the coated prosthetic restoration from the solution. Discard the used solution.
6. By using the polishing brush clean the coating from the surfaces which will not be cemented and especially if further veneered or glazed.
7. After cleaning excess coating put the prosthetic restoration into an oven and use the following thermal treatment program: 900 °C / 1650°F, 10 min hold for zirconia and alumina restoration. It is also possible to perform thermal treatment of synthesized coating by using:
 - the thermal “regeneration” step for zirconia and alumina restoration, if the temperature of regeneration does not exceed 1080 °C / 1970 °F.
 - lower temperatures, combining it with one of the firing steps of veneering and/or glazing, i.e. as low as 700 °C / 1290°F with at least 1 min holding time, however the strength of adhesion will

be lowered in comparison with firing procedure described above.

8. After the thermal treatment the prosthetic restoration is ready for cementation.
9. Cementation can be performed by any commonly used luting cement according to the respective manufacturer's instructions for use.

SAFETY MEASURES

VALLBOND™ adhesive coating should be applied onto indirect prosthetic restorations in dental laboratory by dental care professionals only.

Do not mix the **VALLBOND™** adhesive coating with any other bonding agent/primer.

Do not use if the safety seal on the bottle is broken or the precursor solution is turbid.

The **VALLBOND™** adhesive coating should not be used for purposes other than specified in Indications.

Keep out of the reach of children.

STORAGE AND SHELF LIFE

Storage temperature: 2–16 °C / 36–60 °F

Shelf life: see expiry date on packaging.

IMPORTANT: Keep in refrigerator.

GUARANTEE

The VALL-CER d.o.o. company guarantees a defect-free material and manufacture of the **VALLBOND™** adhesive coating. The replacement of product is only possible in the case of failures that are not a consequence of ignoring the safety precautions, instructions and recommendations of the manufacturer.

LIMITATION OF LIABILITY

Unless prohibited by law, the VALL-CER d.o.o. company shall not be liable for any loss or damage arising from the use of this product, regardless of whether it is indirect, direct, special, incidental or consequential, regardless of the legal basis of the claim, including the guarantee, contract, negligence or strict liability.

LABELING ON PACKAGING:

LOT BATCH CODE

REF CATALOGUE NUMBER

 CAUTION

 MANUFACTURER

 CONSULT INSTRUCTIONS FOR USE

 DO NOT USE IF PACKAGE IS DAMAGED

 DO NOT REUSE

 Product with CE 1370 labeling meets the requirements of the Medical Device Directive 93/42/EEC.

 USE BY

 2 °C / 16 °C TEMPERATURE LIMITATION



Instructions for use
valid as of March 2016.

Patent pending.