

VALLBOND™

adhesive coating

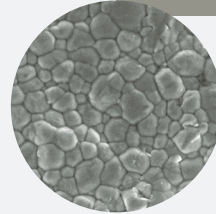
VALLBOND™ adhesive coating is a trending, highly efficient dental adhesive known for its incomparable performance and simplicity in use.

Created for substantial increase of the dental ceramic – luting cement bond strength and its durability **VALLBOND™** is a solution well suited for dentists in search of reliable long-lasting results.

Ensuring the minimal intervention dentistry and following the increased aesthetics standards **VALLBOND™** is suitable for all-ceramic dental restorations – inlays, onlays, crowns, bridges, veneers etc.



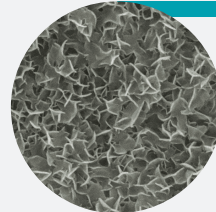
Microstructures of zirconia surfaces prior to cementation




Intact zirconia surface



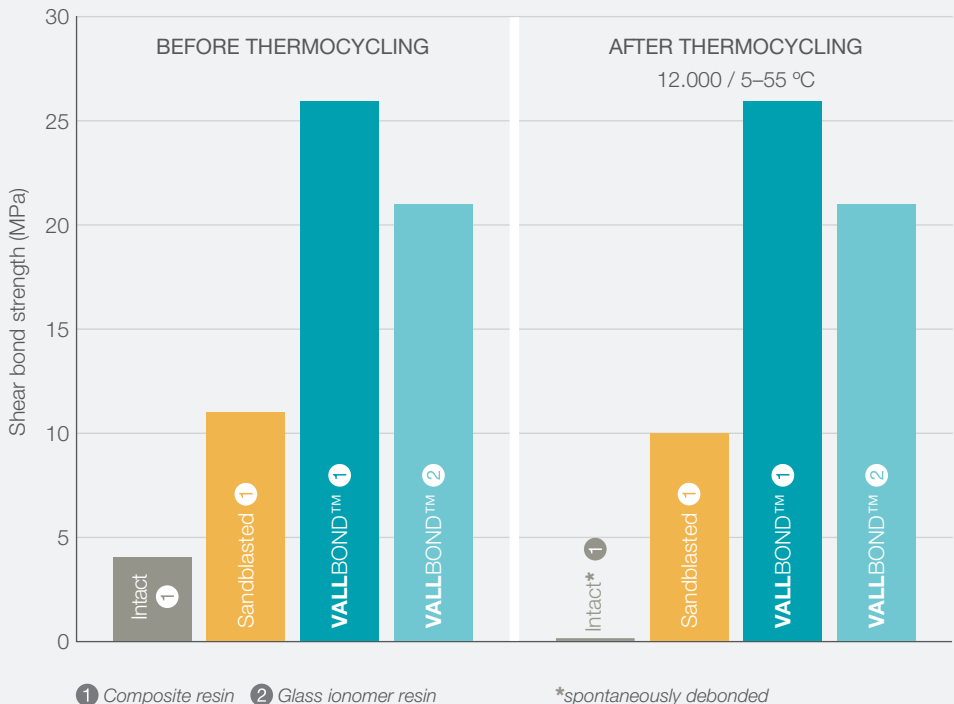
Sandblasted zirconia surface



VALLBOND™ adhesive coating applied on the intact zirconia surface

1 μm 

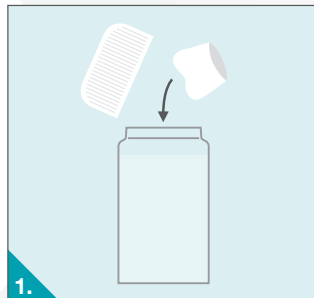
Bonding performance of cements to zirconia surfaces



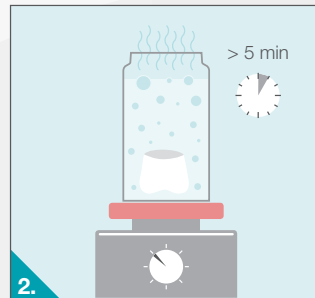
Advantages of VALLBOND™:

- improved, sustainable bond strength between the luting cement and dental prosthetic restoration owed to enhanced chemical bonding and mechanical interlocking
- significantly smaller bonding surface area of prosthetic restoration and thus minimal loss of tooth structure (minimal intervention dentistry)
- no chemical or mechanical pre-treatment (etching or sandblasting) of indirect restorations necessary
- compatible with materials which are treated at temperatures over 500 °C
- application in dental laboratory
- easy handling
- patient friendly
- submicron-sized coating
- visual appearance of prosthetic restoration is not affected

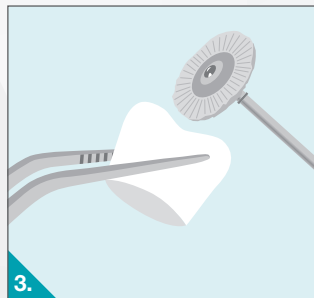
VALLBOND™ SHORT FIGURATIVE MANUAL



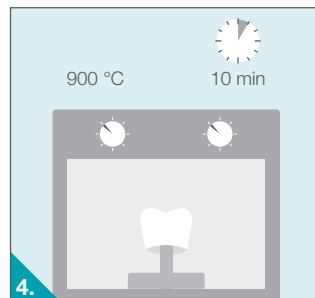
Open the **VALLBOND™** vial. Into the vial insert a clean prosthetic restoration in a way to avoid the trapping of air bubbles.



Put the open vial with inserted prosthetic restoration on the heater plate. Bring the **VALLBOND™** solution to a boil and then leave it to boil for 5 minutes. When the solution becomes turbid, the coating synthesis is completed. Take the vial off the heater.



Remove the coated prosthetic restoration from the solution and dry it. By using the polishing brush clean the coating from the surfaces which will not be cemented.



Put the coated prosthetic restoration into an oven. For best results use the following thermal treatment program: 900 °C / 1650°F, 10 min hold. After the thermal treatment the prosthetic restoration is ready for cementation.

VALL+CER

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