



Z-Bond is a single bottle primer for ceramic and metal surfaces. Z-Bond links the surface to composite resin and resin bonding agents. Z-Bond is intended for use as a surface treatment for the following restorations:

- Adhesive repair of defects in zirconia restorations currently affixed to a patient's dentition.
- Priming of zirconia definitive restorations prior to adhesive cementation, e.g., crowns, inlays, onlays, etc.

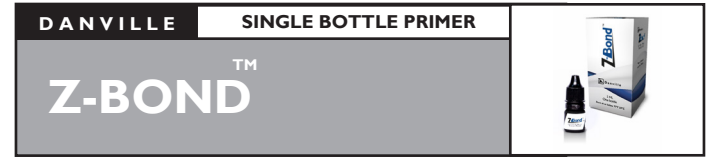
While primarily for zirconia, the product also provides improved adhesion on non-precious metals and alumina ceramics.

#### **PRECAUTIONS**

- Z-Bond is a light sensitive material.
- Use Z-Bond immediately after dispensing to prevent solvent loss.
- Avoid prolonged exposure of primer to skin, eyes, and mucous membranes. May cause contact dermatitis.

#### **INSTRUCTIONS FOR USE**

- Preferably, sandblast surfaces requiring repair or adhesive cementation with abrasive powder such as Danville's 27- or 50-Micron White Aluminum Oxide using a dental air abrasion device such as the Danville MicroEtcher™. Use 30-40 PSI air pressure (2-3 bars). The typical sandblasting time is 2-4 seconds for a crown. If a sandblaster is not available, an alternative treatment, providing less adhesion, is to roughen the bonding surface using a fine diamond point or bur. Minimize heat and pressure to avoid crack generation. Rinse and air dry.
- Apply the Z-Bond to roughened surfaces, let dwell 30 seconds and then



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- Apply the Z-Bond to roughened surfaces, let dwell 30 seconds and then

evaporate the solvent under a gentle air stream for 5-10 seconds.

- If zirconia has been exposed to phosphoric acid, then it is necessary to either sandblast the bonding surface or use a sodium hydroxide conditioner such as Vivadent's Ivoclean prior to application of Z-Bond.
- The prepared surface is then ready for restoration or adhesive cementation with composite products (light cure, self cure or dual cure, such as Danville's StartFlow™ or StartFill™ 2B). No additional adhesive is needed.

#### STORAGE:

Store Z-Bond at 2°C/36°F - 25°C/77°F, out of sunlight.

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