

**BencoDental**



## **Zirconia & Multi-Surface Primer**

### **Instructions for Use**

#### **PRODUCT DESCRIPTION**

eon Zirconia & Multi-Surface Primer is a single-bottle primer designed for the surface treatment of restorations fabricated from Zirconia, Alumina, and metal. When used to repair these restorations, eon Zirconia & Multi-Surface Primer helps facilitate the adhesion between the restoration and composite resin and resin-based bonding agents. It's available in 5mL bottles.

#### **INDICATIONS FOR USE**

- Conditioning of Zirconia, alumina, and metal restorations including crowns, posts, inlays, and onlays, prior to cementation.
- Adhesive repair of defects in Zirconia, alumina, metal and composite restorations currently affixed to a patient's dentition.

#### **MULTI-USE DEVICES**

Bottles are multi-use devices and are provided non-sterile. Always dispense into a mixing well prior to application to prevent exposure or transfer of blood, tissue, or saliva that may contain infectious disease. Use in accordance with instructions below.

#### **WARNINGS AND PRECAUTIONS**

- Keep away from sunlight or ambient light; Replace cap after each use.
- Use a halogen curing light with a minimum output of 600 mW/cm<sup>2</sup>. Other light sources or intensities require an adjustment to the cure time. See curing light manufacturer's instructions.
- Use eon Zirconia & Multi-Surface Primer immediately after dispensing to prevent the loss of solvent.
- Avoid prolonged exposure of eon Zirconia & Multi-Surface Primer to skin, eyes, and mucous membranes. Contact with eon Zirconia & Multi-Surface Primer may cause dermatitis.
- Use as directed. This product is intended for use by dental professionals only.

## PROCEDURE FOR USE

- Preferably, using a dental sandblaster, air abrade the surface requiring repair or adhesive cementation with abrasive powder at the particle size of  $27\mu$  or  $50\mu\text{m}$ , at air pressure of 30-40 psi (2-3 bars). Typical sandblasting time is 2-4 seconds for a crown, followed by rinsing and air-drying.

**Note:** If sandblasting is not available, an alternative treatment, offering less adhesion, is to roughen the restoration surface using a fine diamond point or a bur. To avoid cracks in restorations, minimize the pressure and heat.

- Apply eon Zirconia & Multi-Surface Primer to the roughened surface. Let it dwell undisturbed for 30 seconds. Then, evaporate the solvent using a gentle air stream for 5-10 seconds.
- For Zirconia restorations exposed to phosphoric acid or saliva, it is necessary to either re-sandblast the bonding surface or to use a sodium-hydroxide conditioner prior to the application of eon Zirconia & Multi-Surface Primer.

- Once the surface is prepared, it is ready for restoration or adhesive cementation with composite products including, light-cure, self-cure, or dual-cure materials. No additional adhesive is needed.

## STORAGE

Store at or below 77°F (25°C). Do not freeze. Use at room temperature.

## DISPOSAL

Dispose of used devices which pose a risk of infection according to facility clinical waste procedures and applicable local and state regulations. To dispose of unused material, replace cap and dispose of in accordance with local and state regulations.

## NOTICE TO USERS IN THE EUROPEAN UNION

Any serious incident that has occurred in relation to the device(s) in which this Instructions for Use applies should be reported to the manufacturer identified in this Instructions For Use and the competent authority of the Member State in which the user and/or patient is established.

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