

# Ea-Z-y PRIMER™

(Stock No. S388)

**parkell**

Caution: Rx Only.

## INSTRUCTIONS FOR USE

Store this product in a cool, dry, dark location. Refrigeration prolongs shelf life, but avoid freezing. Bring product to room temperature before use

For Safety Data Sheet (SDS) go to [www.parkell.com](http://www.parkell.com)

## INDICATIONS FOR USE

Ea-Z-y Primer™ is a self-curing, two-bottle ceramic surface primer containing silane and MDP. It is indicated for use in enhancing bonding between dental ceramics (such as porcelain, lithium disilicate, zirconia or hybrid ceramics) and methacrylate resin-based materials. In addition, **Ea-Z-y Primer** is indicated for use in enhancing bonding between fractured dental ceramics and methacrylate resin-based materials during intra-oral repair of damaged restorations.

## BACKGROUND AND PRODUCT CONSIDERATIONS

As dentists have moved towards stronger, more durable ceramics for their prosthetic restorations, bonding to them has become much more difficult. Materials like lithium disilicate, lithium silicate or zirconium dioxide (zirconia) are denser, harder, and less chemically-reactive, making them tougher to roughen, tougher to etch and tougher to air-abrade. Some don't even contain the silica glass necessary to allow silanes to bond to them.

**Ea-Z-y Primer**, when coupled with strong adhesive resin cements (like Parkell's **C&B Metabond™** or **SEcure®**), addresses this restorative problem because it:

- Contains silane chemistry to enhance the bonds between methacrylate-based resins and silicate-based restoratives like porcelain, lithium disilicate or lithium silicate.
- Contains MDP (10-Methacryloyloxydecyl dihydrogen phosphate), a monomer that has been shown to enhance bonding and adhesion of resins to metals and metal oxides like zirconium dioxide (zirconia).

Being a two-component product, **Ea-Z-y Primer** has a considerably longer shelf life than pre-activated, single-component products.

## CONTRAINDICATIONS, PRECAUTIONS AND WARNINGS

- **Ea-Z-y Primer** is not meant for internal consumption, other than under a cured dental restorative material. The bottles should be kept away from children.
- This product is **CONTRAINDICATED** for use on or by persons who are sensitive to acrylates or methacrylates.
- Protect patient's eyes when using all dental materials.
- The liquid contains flammable solvents. **AVOID OPEN FLAME**, and use in well-ventilated areas.
- The material is acidic. Contact with oral mucosa may cause temporary blanching, which should resolve within 24 hours. Isolation with a well-fitting rubber dam, proper intra-oral evacuation and post-operative water rinsing minimize this effect.
- Store the liquid tightly sealed in a cool, dark, low humidity environment. Do not store where freezing temperatures may cause damage by phase separation.
- Avoid contamination of product. Do not mix components with those of other materials. Do not return dispensed components to their original container. Dispose of leftover material properly. Avoid contact with fresh eugenol-containing products.
- Working & setting times will vary based on temperature, humidity, product age and storage conditions.

### KIT CONTENTS

- Each **Ea-Z-y Primer Kit** contains:
- 1 – 5 ml bottle of Liquid "A"
- 1 – 5 ml bottle of Liquid "B"
- Instructions for Use

## A SUGGESTION FOR SURFACE ROUGHENING USING AIR ABRASION

Dental “sandblasters” do an excellent job at roughening ceramic and metal surfaces, much better than rotary abrasive points. Parkell manufactures a very reasonably-priced device called the “**AeroEtcher**” (Stock No. D670) for this task. We also sell 5 lb containers of 50 micron **Aluminum Oxide** abrasive for the unit (Stock No. D675). To move the **AeroEtcher** between multiple dental operators, we suggest purchasing our **4-Hole Coupler** (Stock No. D678-4).

## DIRECTIONS FOR USE OF EA-Z-Y PRIMER WITH DENTAL CERAMICS

1. Clean off any contamination from the ceramic surface to be bonded to with Parkell’s Cavidry (Stock No. HS099), acetone or ethyl alcohol. Rinse with water before the solvent cleaner evaporates, and gently dry with air. This will leave the surface clean, de-greased, and dry.

2. Surface roughness will enhance retention. Follow the instructions provided by the material’s manufacturer for this pretreatment. Generally, silicates like porcelain or lithium disilicate should be carefully etched with hydrofluoric acid, following the manufacturer’s instructions. Zirconia may be pre-treated by abrasive blasting with a “sandblaster” to remove surface contamination. Rinse the surface thoroughly after this step to produce a roughened, clean dry surface.

3. Mix equal amounts of **Ea-Z-y Primer** from Bottles “A” and “B” in a mixing well. Dip a conventional untreated disposable brush in the liquid mix and stir for two seconds.

4. Apply ONE GENEROUS COAT of **Ea-Z-y Primer** liquid onto the ceramic surface. After 15 seconds, blow away the remaining solvent with the air-water syringe. The chemical reaction is quite rapid, so there is no need to wait longer for curing of the product. Note: The liquid mixture should be used within 3 minutes of mixing.

5. A second coat of primer is not necessary, and may actually weaken the resulting bond.

6. After **Ea-Z-y Primer** is dry, cover it with the methacrylate-based resin product of your choice. Consult the instructions for the product you select prior to use.

## DISINFECTION OF CONTAINERS

The bottles and caps should be cleaned of debris with a water-damp paper towel and disinfected with a paper towel saturated with an EPA-registered low-level (HIV/HBV claim) to intermediate-level (tuberculocidal claim) hospital disinfectant. Afterwards, the chemical residue should be wiped off with a water-damp paper towel and air-dried. Utilize the surface disinfecting protocol of the disinfectant manufacturer. Consult [www.CDC.gov](http://www.CDC.gov) for the most recent version of the “Guidelines for Infection Control in Dental Health-Care Settings”.

## WARRANTY:

Parkell will replace defective material. **This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied.** Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

## CONFORMANCE TO STANDARDS:

Parkell’s quality system is certified to ISO 13485/9001.



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