

PULPDENT

# Embrace™ WetBond™ Restoration & PFM Repair Kit

## Product Description

The Embrace WetBond Restoration & PFM Repair Kit is specifically designed for bonding to all restorative, metal and ceramic surfaces. The kit provides unique materials for preparing, priming, opaquing and protecting surfaces, and for sealing, finishing and polishing the final repair or restoration.

The adhesive components: **Embrace First-Coat™**, **Embrace Opaquer** and **Embrace Seal-n-Shine™**, are formulated with an advanced, hydrophilic, Resin Acid-Integrating Network (R.A.I.N.) unique to the Embrace technology. They bond chemically and mechanically to tooth structure and restorative materials and behave favorably in the moist oral environment.

Embrace First-Coat is an adhesive primer for etched or abraded metal, ceramic and composite. It is a single component, unfilled resin that contains no solvents and is designed to penetrate and bond chemically and mechanically to etched or abraded surfaces. It is light cure and is compatible with all composites. *First-Coat eliminates the use of metal primers, silanes and bonding agents on ceramic and metal surfaces.*

**Embrace Opaquer** has all the advantages of Embrace technology, including chemical bonds to metal, ceramic and tooth surfaces and the ability to bond to slightly moist teeth. The

material spreads easily with a brush for fast application and light cures in just 20 seconds.

**Embrace Seal-n-Shine** is placed over the completed repair or restoration to penetrate and seal porosities and margins, providing quick finishing and polishing of composite and etched or abraded porcelain surfaces. Upon light curing, the material is impervious to water and creates an outstanding marginal seal, providing exceptional esthetic results and protection for the tooth.

Seal-n-Shine cures with all curing lights. It is a single component, clear resin that contains no solvents, requires no mixing or modifiers, and does not discolor the restoration. It is unfilled, and the viscosity is ideally suited for convenient manipulation and controlled application, without being too runny or too thick.

Seal-n-Shine can also be used for repairing cracked teeth, sealing of non-carious or precarious lesions, enamel defects and notches, and for sealing margins of indirect restorations cemented with resin cement.

**Kool-Dam™** is the first heatless liquid dam and is used to mask and protect soft tissue, teeth, and restorative surfaces. It stays where placed and does not produce heat when light cured, assuring patient comfort. Kool-Dam remains flexible after curing and is easily removed in one piece at the end of the procedure.

**Porcelain Etch Gel** is a 9.6% hydrofluoric acid gel. It is thixotropic, stays where placed, and etches ceramic in one minute. A one minute application does not discolor porcelain.

## Instructions for Use

Ceramic, metal, resin desensitized, prehybridized, and cured resin surfaces should be dry prior to applying Embrace resins. **Tooth surfaces should be left slightly moist.** Slightly moist tooth surfaces exhibit neither dryness nor pooled water. Lightly dry and remove excess water with compressed air or a cotton pellet. Tooth surfaces should be shiny or glossy. Overly wet surfaces will result in decreased bond strength.

1. Microabrade **metal** (and amalgam) surfaces. Microabrade ceramic surfaces, and/or etch with **Pulpdent Porcelain Etch Gel** for one minute. Carefully follow the instructions for use and safety precautions for Porcelain Etch Gel, which appear below. **Kool-Dam** should be used to protect soft tissue, teeth or ceramic surfaces, when indicated. Instructions for the use of Kool-Dam appear below. Etch cured composite surfaces with phosphoric acid etch gel for 10 seconds.
2. Rinse well. Dry ceramic, metal, resin desensitized, prehybridized, and cured resin surfaces.
3. If **dentin and enamel** are involved, etch these tooth surfaces for 15 seconds with Etch-Rite 38% phosphoric acid gel. Apply DenTASTIC UNO, UNO-DUO or your preferred dental-enamel bonding agent in accordance with the manufacturer's instructions.
4. Apply a thin coat of **Embrace First-Coat** to the metal and/or ceramic surfaces with a flocked applicator tip.
5. Light cure this layer. Cures with all lights. Curing time for a halogen light with a minimum of 300 mW/cm<sup>2</sup> is 20 seconds. More powerful lights will cure faster.

6. Apply **Embrace Opaquer**, if indicated, to metal or discolored surfaces using the brushes provided. Light cure. Cures with all lights. Curing time for a halogen light with a minimum of 300 mW/cm<sup>2</sup> is 20 seconds. More powerful lights will cure faster.
7. Apply your preferred composite restorative or resin cement and cure the material in accordance with the manufacturer's instructions.

Now follow steps 8-13 to polish and seal the restoration and margins with **Embrace Seal-n-Shine**.

8. Acid etch or microabrade the restored surface for 10 seconds.
9. Rinse well. Dry ceramic, metal and cured resin surfaces. Lightly dry and leave prepared tooth surface slightly moist.
10. Where necessary, place dental floss through the contacts and leave it in the embrasures. Use later to clear contacts and prevent bonding to adjacent tooth surfaces. The teeth can be wedged and a mylar strip can be placed, if desired.
11. Apply a thin coat of Seal-n-Shine to the restored surface with a flocced dispenser tip.
12. Remove the dental floss by lifting it interproximally through the contacts. **It is important for the contacts to be open.**
13. Light cure. Seal-n-Shine cures with all lights. Curing time for a halogen light with a minimum of 300 mW/cm<sup>2</sup> is 20 seconds. More powerful lights will cure faster.

### **Kool-Dam Instructions for Use**

1. Place a pink 20-gauge applicator tip securely on the syringe and apply a coat of Kool-Dam 1-2 mm thick on the gingiva or tooth surfaces requiring protection.

2. Light cure. Kool-Dam cures with all lights. Curing time for each exposure area with a halogen light with a minimum of 300 mW/cm<sup>2</sup> is 10 seconds. More powerful lights will cure faster.

## **Porcelain Etch Gel Instructions for Use**

1. Protective eyewear must be worn by practitioner, assistant and patient. Protective gloves must be worn by practitioner and assistant.
2. Place rubber dam and use Kool-Dam to isolate operative site and protect soft tissue.
3. Assistant must stand ready at chairside and hold vacuum tip 2-3 inches from porcelain surface during the etching process to evacuate acid fumes.
4. Remove cap from Porcelain Etch Gel syringe and place a 25-gauge applicator tip securely on the syringe. Start the flow of Porcelain Etch Gel onto a pad and immediately dispose of this sample. Do not start flow in patient's mouth. Use a new applicator tip for each patient.
5. Using gentle pressure, carefully apply Porcelain Etch Gel to the ceramic surface and leave for one minute while evacuating fumes with vacuum.
6. Remove gel with vacuum tip and rinse treated surface with copious amounts of water. Dry ceramic surface with clean compressed air.

## **Note**

Replace all syringe caps immediately after use.

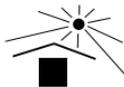
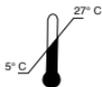
## **Caution**

Uncured resin materials may cause eye or skin irritation on contact. Dental professionals should wear safety glasses and surgical gloves.

Porcelain Etch Gel contains 9.6% hydrofluoric acid. Handle with care. Fumes are irritating. Chronic inhalation is dangerous. Avoid contact with skin, eyes or soft tissue. If contact occurs, rinse with copious amounts of water. Seek medical attention, if necessary.

## Storage and Handling

- Store tightly sealed in original container at cool room temperature. Avoid direct light, extremes of temperature, contamination and sources of ignition.
- Shelf life of unopened product: 2 years from date of manufacture.
- Re-cap immediately after use.



## **PULPDENT Corporation**

80 Oakland Street Watertown, MA 02472 USA

Tel: (800) 343-4342/(617) 926-6666/Fax: (617) 926-6262

[www.pulpdent.com](http://www.pulpdent.com) • [www.activabioactive.com](http://www.activabioactive.com) • [pulpdent@pulpdent.com](mailto:pulpdent@pulpdent.com)

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