

Embrace™ WetBond™ Class V

Cervical Restorative Resin

Light Cure • Fluoride Releasing • Hydrophilic

Product Description

Embrace WetBond Class V is the first moist-bonding restorative resin specifically designed for cervical restorations. It is formulated with an advanced, hydrophilic, Resin Acid-Integrating Network (R.A.I.N.) that is unique to the Embrace technology.

Class V is self-adhesive, forming chemical and micromechanical bonds to tooth structure. Bonding agents are not required; however, they may be used if desired. Etching enamel is indicated. It is not necessary to etch dentin, but it can be etched if desired. Etching cementum is advisable.

Class V bonds chemically and mechanically to slightly moist tooth surfaces, which is advantageous for cervical areas, where it is often difficult to achieve perfect isolation from moisture. It provides strong bonds to dentin and enamel and a margin-free restoration.

Class V is 49% filled by weight with both sub-micron and micron sized particles. Upon light curing, the material is impervious to water.

Available in four popular shades, A2, A3.5, B2 and D2, it is light cured and fluoride releasing and has a favorable translucent quality providing excellent esthetics.

Placing Embrace Seal-n-Shine™ over the restorative material and enamel margins seals the restoration, providing durability, exceptional marginal integrity, esthetic results and protection for both the tooth and the restoration.

Special Considerations for Class V Restorations

Many factors must be considered in the treatment of Class V lesions. These include size and location of the lesion, access for finishing and polishing the restoration, condition of the tooth surface, and tissue conditions such as gingival recession or periodontitis. Patient behavior, such as bruxism, and patient expectations must also be considered.

The challenges facing the practitioner include the requirements of retention form, and the need to create a bondable surface and provide access for margin finishing.

Microleakage studies have shown Embrace to perform better than traditional composites with self-etching bonding agents. Furthermore, many recent studies have shown that solvent containing adhesives and unfilled bonding agents leak in Class V applications. Embrace Class V outperforms these materials in preventing microleakage.

Class V Instructions For Use

Slightly moist tooth surfaces exhibit neither dryness nor pooling of 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. Ceramic, metal, resin desensitized, prehybridized and cured resin surfaces should be dry.

1. Create retention form and prepare tooth for a Class V restoration.
2. Isolate treatment area and dry lightly with oil-free compressed air.
3. Etch enamel and cementum for 15 seconds with Etch-Rite 38% phosphoric acid etch gel, or microabrade enamel and cementum. Etching dentin is optional. Rinse well. Do not disturb this surface.

NOTE: Etching dentin and the use of bonding agents may not be required; however, they are not contraindicated, and they can be used, if desired. When bonding agents are used, they are recommended on the floor of the restoration only. Embrace provides an exceptional seal at the margins.

4. Lightly dry and remove excess water with a cotton pellet or clean compressed air. LEAVE TOOTH SURFACES SLIGHTLY MOIST. Slightly moist tooth surfaces should appear shiny or glossy. Overly wet surfaces will result in decreased bond strength. Embrace WetBond Class V bonds to tooth surfaces that are slightly moist from saliva; however, it is best to avoid bacterial contamination. Ceramic, metal, resin desensitized, prehybridized and cured resin surfaces should be dry.
5. Apply Embrace Class V to the prepared tooth surface.
6. Light cure. Class V cures with all lights. Curing time for a halogen light with a minimum of 300 mW/cm² is 20 seconds. More powerful lights will cure faster.
7. The application of Seal-n-Shine will provide durability, exceptional marginal integrity and esthetic results. Seal the restoration and margins with Seal-n-Shine by following the instructions below.

Seal-n-Shine Instructions for Use

Dry ceramic, metal, resin desensitized, prehybridized and cured resin surfaces. Leave prepared tooth surface slightly moist. Slightly moist tooth surfaces exhibit neither dryness nor pooling of 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. **For enamel and cured composite surfaces**, etch or microabrade for 10 seconds. **For ceramic surfaces**, place rubber dam and etch with Pulpdent Porcelain Etch Gel for one minute. Pulpdent Kool-Dam should be used to protect soft tissue, teeth or porcelain surfaces, as required.
2. Rinse well. Dry ceramic, metal and cured resin surfaces. Lightly dry enamel and leave prepared tooth surface slightly moist.
3. When 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.
4. Apply a thin coat of Seal-n-Shine to the etched tooth and restorative surfaces with a flocked dispenser tip or a clean brush.
5. Remove the dental floss by lifting interproximally through the contacts. **It is important for the contacts to be open.**
6. Light cure. Seal-n-Shine cures with all lights. Curing time for a halogen light with a minimum of 300 mW/cm² is 20 seconds. More powerful lights will cure faster.

Caution

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

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 02471-0780 USA
Tel: (800) 343-4342/(617) 926-6666/Fax: (617) 926-6262
www.pulpdent.com email: pulpdent@pulpdent.com