



330 Telsler Road, Lake Zurich, IL 60047

<http://apexdentalmaterials.com>

## **BONDSAYER and BONDSAYER D**

### **Rewetting / Desensitizing / Bond Degradation Preventer**

Bonding to tooth structure presents many challenges including the determination of the proper conditions for starting the bonding protocol. The tooth can be left too wet or too dry which could lead to debonding or post operative sensitivity.

**BONDSAYER and BONDSAYER D** have been designed to aid in reaching the appropriate moisture level to provide an initial surface that allows an adhesive to reach its full potential.

**BONDSAYER and BONDSAYER D** provide an added benefit. Numerous sources have suggested bond strengths to dentin breakdown and fail over time due to the formation and infiltration of MMPs (matrix metalloproteinases).

**BONDSAYER and BONDSAYER D** have been formulated to limit the impact of MMPs thus helping ensure the long term integrity of the bonding system.

### **Principal Uses of BONDSAYER and BONDSAYER D**

Rewetting tooth surface prior to bonding

Desensitizing

Preventing bond degradation

### **BONDSAYER versus BONDSAYER D**

**BONDSAYER** has been formulated to be used with self etch adhesives, glass ionomers, resin modified glass ionomers.

**BONDSAYER D** has been formulated to be used with total etch and selective etch adhesive systems along with the treatment of sensitivity resulting from exposed dentin

#### **BONDSAYER**

Self Etch Adhesives

Glass Ionomers

Resin Modified Glass Ionomers

#### **BONDSAYER D**

Total Etch Adhesives

Selective Etch Adhesives

Desensitization of Exposed Dentin

Crown Preparations

### **Instructions for Use:**

#### **BONDSAVER**

**NOTE: SHAKE BOTTLE VIGOROUSLY FOR 3 SECONDS BEFORE DISPENSING**

#### **Self Etch:**

1. Remove any debris from the prepared tooth and dry the prep thoroughly.
2. Using a small micro-applicator, apply a uniform coat of **BONDSAVER** to the etched dentin surface. Allow to dwell for 5 seconds, dry briefly, leaving a shiny surface. Surface should not have any pooled liquid.
3. Apply the adhesive manufacturer's materials as prescribed in their instructions

#### **Indirect Restoration Using a Glass Ionomer or Resin Modified Glass Ionomer:**

1. Remove any debris from the prepared tooth and dry the prep thoroughly.
2. Using a small micro-applicator, apply a uniform coat of **BONDSAVER** to the entire preparation. Allow to dwell for 5 seconds, dry briefly, leaving a shiny surface. Surface should not have any pooled liquid.
3. Apply the adhesive manufacturer's materials as prescribed in their instructions

#### **BONDSAVER D**

**NOTE: SHAKE BOTTLE VIGOROUSLY FOR 3 SECONDS BEFORE DISPENSING**

#### **Total Etch:**

1. Etch the tooth surface as instructed by the adhesive manufacturer
2. Rinse away the extra etch and dry the tooth thoroughly for at least 3 seconds
3. Using a small micro-applicator, apply a uniform coat of **BONDSAVER D** to the entire preparation. Allow to dwell for 5 seconds, dry briefly, leaving a shiny surface. Surface should not have any pooled liquid
4. Continue to apply the adhesive manufacturer's materials as prescribed in their instructions

**Selective Etch:**

1. Etch the enamel surface as instructed by the adhesive manufacturer
2. Rinse away the extra etch and dry the tooth thoroughly for at least 3 seconds
3. Using a small micro-applicator, apply a uniform coat of **BONDSAVER D** to the entire preparation. Allow to dwell for 5 seconds, dry briefly, leaving a shiny surface. Surface should not have any pooled liquid.
4. Continue to apply the adhesive manufacturer's materials as prescribed in their instructions

**Desensitizing Crown Preparations:**

1. Prior to cementation of the temporary, dry the tooth aggressively for at least 3 seconds.
2. Apply a generous coat of **BONDSAVER D**, allow to dwell for 5 seconds, briefly dry and place the temporary.
3. For maximum effect, repeat the application several times, i.e. aggressively dry the prepared tooth, apply a generous coat of **BONDSAVER D**, allow to dwell for 5 seconds, dry again and repeat the above steps twice more.
4. The clinician may either choose to proceed to cement the temporary crown or apply either Surpass® or Superb to seal the crown preparation and then cement the temporary.

**Treating Sensitive Dentin:**

1. Dry the dentin as much as possible
2. Apply a brushful of **BONDSAVER D**
3. Allow to dwell 5 seconds
4. Dry
5. Apply another brushful of **BONDSAVER D**
6. Dry
7. Repeat until sensitivity disappears
8. If desired, apply a coat of Surpass® 2 or Superb, dry and light-cure to prolong the desensitization.