



Dental Materials, Inc.

## Description:

RE-GEN Self Etch Adhesive is a three-bottle, light-cure, adhesive that provides exceptional bond strengths to dentin and enamel for both indirect and direct restorations while delivering calcium, phosphate and fluoride ions to the tooth to promote remineralization of compromised tooth structure. The first bottle etches enamel as well as phosphoric acid. The second bottle thoroughly primes the tooth to maximize bond strength while eliminating sensitivity and delivering bioactive ions to the tooth surfaces. The final bottle stops all moisture movement within the tooth and links the tooth to all restorative materials leading to exceptional long-term results.

## Indications for use:

Indirect restorations, direct restorations, metal bonding, bonding to existing composite, delivery of CAD/CAM restorations, sealing tooth surfaces prior to CAD/CAM imaging

## Instructions for use:

### General Instructions:

Although it is not critical to the success of RE-GEN Self-Etch Adhesive system, it is recommended that the preparation be cleaned with isopropyl alcohol on a cotton pellet and rinsed with water prior to beginning the bonding protocol. Pumicing or gentle particle abrasion of enamel is also recommended.

1. Rinse the preparation thoroughly and remove all visible water by drying the surface for approximately **5 seconds** with dried compressed air.
2. Dispense a drop of RE-GEN Bottle **1** into one cavity of the enclosed mixing well. Using the proper color-coded brush, apply RE-GEN Bottle **1** to the entire cavity preparation and the surrounding tooth structure, agitating briskly for at least 10 seconds. **DO NOT DRY RE-GEN Bottle 1.**
3. Dispense a drop of RE-GEN Bottle **2** into another cavity of the mixing well. Using the proper color-coded brush, apply three brushfuls of RE-GEN Bottle **2** to the entire cavity preparation, dabbing each brushful to help distribute as much of the primer as possible.
4. Dry the primed surface with dried compressed air for at least 10 seconds with the air syringe tip as close as possible to the surface. **DRY RE-GEN BOTTLE 2 THOROUGHLY.**
5. Dispense a drop of RE-GEN Bottle **3** into another cavity of the mixing well. Using the proper color-coded brush, apply a thin layer of RE-GEN Bottle **3** to the entire cavity surface.
6. Light-activate for 10 seconds. RE-GEN Self-Etch Adhesive can be activated with any dental activation light.
7. Continue restorative procedure with material of choice. Follow manufacturer's instructions for all restorative materials.

**NOTE:** For indirect restorations, air-thin RE-GEN Bottle **3** sufficiently to allow seating of the restoration and light-activate.

**NOTE:** Deciduous teeth are treated in the same manner as permanent teeth.

**NOTE:** RE-GEN Bottle **1** should be agitated for 20 seconds on uncut enamel.

**NOTE:** RE-GEN Self-Etch Adhesive is always light-cured before placing veneers and bonded crowns.

### Indirect Restorations

1. Rinse the preparation thoroughly and remove all visible water by drying the surface for approximately **5 seconds** with dried compressed air.
2. Dispense a drop of RE-GEN Bottle **1** into one cavity of the enclosed mixing well. Using the proper color-coded brush, apply RE-GEN Bottle **1** to the entire cavity preparation and the surrounding tooth structure, agitating briskly for at least 10 seconds. **DO NOT DRY RE-GEN BOTTLE 1.**
3. Dispense a drop of RE-GEN Bottle **2** into another cavity of the mixing well. Using the proper color-coded brush, apply three brushfuls of RE-GEN Bottle **2** to the entire cavity preparation, dabbing each brushful to help distribute as much of the primer as possible.
4. Dry the primed surface with dried compressed air for at least 10 seconds with the air syringe tip as close as possible to the surface. **DRY RE-GEN BOTTLE 2 THOROUGHLY.**
5. Dispense a drop of RE-GEN Bottle **3** into another cavity of the mixing well. Using the proper color-coded brush, apply a thin layer of RE-GEN Bottle **3** to the entire cavity surface. Air-thin the RE-GEN Bottle **3** aggressively. Final film thickness will be around 10 – 12 microns.
6. Light-activate for 10 seconds. RE-GEN Self-Etch Adhesive can be activated with any dental activation light.
7. Continue restorative procedure with material of choice. Follow manufacturer's instructions for all restorative materials.

### Metal Bonding

1. Roughen the metal surface to be bonded. Ideally, the surface should be micro-etched with 27-micron aluminum oxide powder. If micro-etching is not available, the surface should be roughened with a burr.
2. Rinse and dry the surface.
3. Dispense a drop of RE-GEN Bottle **2** into a cavity of the mixing well. Using the proper color-coded brush, apply two brushfuls of RE-GEN Bottle **2** to the metal surface.



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4. Dry the primed surface with dried compressed air for at least 10 seconds with the air syringe tip as close as possible to the surface. **DRY RE-GEN BOTTLE 2 THOROUGHLY.**
5. Dispense a drop of RE-GEN Bottle **3** into another cavity of the mixing well. Using the proper color-coded brush, apply a thin layer of RE-GEN Bottle **3** to the entire cavity surface.
6. Light-activate for 10 seconds. RE-GEN Self-Etch Adhesive can be activated with any dental activation light.
7. Continue restorative procedure with material of choice. Follow manufacturer's instructions for all restorative materials.

## Bonding to Existing Composite

1. Roughen the composite surface to be bonded. Ideally, the surface should be micro-etched with 27-micron aluminum oxide powder. If micro-etching is not available, the surface should be roughened with a burr.
2. Rinse and dry the surface.
3. Dispense a drop of RE-GEN Bottle **2** into a cavity of the mixing well. Using the proper color-coded brush, apply two brushfuls of RE-GEN Bottle **2** to the composite surface.
4. Dry the primed surface with dried compressed air for at least 10 seconds with the air syringe tip as close as possible to the surface. **DRY RE-GEN BOTTLE 2 THOROUGHLY.**
5. Dispense a drop of RE-GEN Bottle **3** into another cavity of the mixing well. Using the proper color-coded brush, apply a thin layer of RE-GEN Bottle **3** to the entire cavity surface.
6. Light-activate for 10 seconds. RE-GEN Self-Etch Adhesive can be activated with any dental activation light.
7. Continue restorative procedure with material of choice. Follow manufacturer's instructions for all restorative materials.



### WARNING

Causes serious eye irritation. Wear eye/face protection. Prolonged or repeated skin contact may cause severe irritation.

### FIRST AID:

**IF IN EYES:** Rinse cautiously with water for several minutes, also under eye lids. Remove contact lenses, if present and easy to do so. **IF INHALED:** Move to fresh air and keep at a rest position comfortable for breathing. **IF INGESTED:** Do not induce vomiting. Rinse mouth, drink plenty of water. Call a physician or Poison Control Center immediately.



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