



# RE-GEN Bulk Fill Composite and Resin Cement

Dental Materials, Inc.

## Description:

RE-GEN Bulk Fill Composite is a bulk fill, dual-cure composite that allows you the ability to fill all classes of restorations without worrying about shrinkage or voids while releasing calcium, phosphate and fluoride ions to promote regeneration of compromised tooth structure. RE-GEN Bulk Fill Composite is ideal for all Class I, II, III, IV and V restorations.

## Indications for use:

Composite Fillings, Cementation, Core Build-Ups

## Instructions for use:

### Composite Fillings

1. Isolate and prepare the tooth surface to be restored.
2. Apply an adhesive, such as RE-GEN Universal Adhesive system or RE-GEN Self-Etch Adhesive system, according to the manufacturer's instructions. (If RE-GEN Universal or RE-GEN Self-Etch Adhesive systems are not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
3. Select the appropriate shade of RE-GEN Bulk Fill Composite
4. Bleed the RE-GEN Bulk Fill Composite syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both sides of the syringe equally.
5. Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner.
6. Insert the mixing tip to the bottom of the preparation and fill the entire prepared area with RE-GEN Bulk Fill Composite. Light activate the surface for 20 seconds.
7. Shape and finish to desired level. (If the material is not light activated, it will self-cure and set in 3 minutes)
8. After each use, leave the used mixing tip in place to seal the syringe.

**NOTE:** While the universal shade of RE-GEN Bulk Fill Composite will produce exceptional results in most restorations, there may be cases that require a higher level of aesthetics. For highly aesthetic cases, it is recommended to leave a 1mm increment at the top of the preparation for a composite material offering the specific desired shade. RE-GEN Bulk Fill Composite is compatible with all methacrylate composite materials thus an incremental layer of the material of choice would simply be placed as the final layer and light activated according to the manufacturer's instructions.

**NOTE:** RE-GEN Bulk Fill Composite is compatible with all dental adhesives that work with dual-cure materials. If not using RE-GEN Universal or RE-GEN Self Etch Adhesive systems, the adhesive should be used according to the manufacturer's instructions.

### Cementation

1. Isolate and prepare the tooth surface to be restored.
2. Apply an adhesive, such as RE-GEN Universal or RE-GEN Self-Etch Adhesive systems, according to the manufacturer's instructions. (If RE-GEN Universal or RE-GEN Self Etch Adhesive systems are not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
3. Select the appropriate shade of RE-GEN Bulk Fill Composite and Resin Cement
4. Bleed the RE-GEN Bulk Fill Composite and Resin Cement syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both sides of the syringe equally.
5. Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner. (\*)
6. Dispense RE-GEN Bulk Fill Composite and Resin Cement either into the restoration or into the preparation depending on ease of placement.
7. Deliver the restoration to the tooth and remove excess material.
8. After clean up, light activate all margins for 20 seconds
9. After each use, leave the used mixing tip in place to seal the syringe.

(\*) Material can also be extruded directly onto a pad for hand mixing and placement



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**NOTE:** RE-GEN Bulk Fill Composite and Resin Cement has been designed to have a working time of 90 seconds and fully cure in 3 minutes when used only in self-cure mode. (The setting time will be slightly less than 3 minutes in the oral environment).

**NOTE:** For the easiest clean up, wait for the 90-second working time to expire and the material to gel. Using an explorer, remove excess material from margins and floss between the contacts. Then light activate the facial and lingual (and occlusal if appropriate) surfaces for 10 seconds each.

## Core Build-Ups

1. Isolate and prepare the tooth surface to be restored.
  2. Apply an adhesive, such as RE-GEN Universal Adhesive system or RE-GEN Self-Etch Adhesive system, according to the manufacturer's instructions. (If RE-GEN Universal Adhesive system or RE-GEN Self-Etch Adhesive is not chosen, be sure the adhesive of choice is recommended for use with self and dual cure products.)
  3. Select the appropriate shade of RE-GEN Bulk Fill Composite
  4. Bleed the RE-GEN Bulk Fill Composite syringe by expressing a small amount of material onto a pad. This assures the material is being expressed from both sides of the syringe equally.
  5. Attach the mixing tip to the syringe and express a small amount of material onto a pad. This assures the material is flowing from the tip in a uniform manner. (\*)
  6. Start the build up by applying a 1mm increment of RE-GEN Bulk Fill Composite and light curing for 20 seconds. After this initial layer has been placed, additional material should be added and built up to the desired level. Light activate for 20 seconds per surface and begin preparation procedure or wait for material to self-cure.
  7. After each use, leave the used mixing tip in place to seal the syringe.
- (\*) Material can also be extruded directly onto a pad for hand mixing and placement

**NOTE:** Shape before final curing using instruments, matrix bands or crown forms. Remove matrix band if used. Final crown preparation can be accomplished with your preferred procedures.

**NOTE:** If using a post or a pin, prepare and insert the post or pin according to the manufacturer's directions.



## 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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