

# Porcelain Repair

## Porcelain Veneer and PFM Repair Kit



This kit utilizes Tenure® and Virtuoso® Flowable to repair fractures and other problems related to porcelain veneers and PFM restorations. This combination of bonding and restorative products allows for bonding to all porcelain or metal surfaces and direct restoring with the composite.

**CAUTION:** Wear protective gloves while using this product.

**CAUTION:** Wear eye protection while using this product.

**CAUTION:** Tenure® and Virtuoso® have not been studied in children, pregnant or breast-feeding women.



### DIRECTIONS-SURFACE PREPARATION

#### Porcelain

1. Clean the area thoroughly. Use a high speed diamond to remove all weak porcelain.
2. Sandblast the bonding porcelain area for a few seconds.
3. Apply Paint-On Dental Dam in a thin film on gingival surface surrounding the dentition to be isolated.
4. Holding the light tip 1/2 inch away from the Paint-On Dental Dam, light-cure, starting with:  
5 seconds—Sapphire® Plus Plasma Arc Curing Light  
10 seconds—Flashlite Magna® 4.0  
30 seconds— Conventional curing lights
5. Place 1–3 drops of PorceLock® into a plastic dappen dish. Apply PorceLock to the porcelain surface with a disposable brush. Leave in place for 2 minutes, making sure the surface remains moist. Wash thoroughly for 30 seconds and dry with air.
6. Apply Porcelain Conditioner for 30 seconds. Rinse thoroughly with water and air-dry.
7. Apply Cerinate Prime® with disposable brush. **Do not** use cotton pellet or sponge. Gently air-dry.
8. Remove Paint-On Dental Dam.

## Enamel/Dentin

1. Apply Etch 'N' Seal® (enamel and dentin) for 10–15 seconds.  
Rinse and dry thoroughly.
2. Place two drops each of Tenure® A Adhesive and Tenure® B Adhesive into a dappen dish. Mix and apply 3–5 coats of Tenure® mixture with a disposable brush, or until glossy. Let dry 10 seconds.
3. Apply Tenure S Bond Enhancer with Dab-Eze®, Skubes® or brush.  
Gently blow thin and light-cure, starting with:  
5 seconds—Sapphire® Plus PAC Light  
10 seconds—Flashlite Magna® 4.0  
30 seconds—Conventional curing lights

## Metal

1. Clean thoroughly. Prepare metal by roughening with a crisscut fissure bur or a very rough diamond, establishing criss-cross indentations in the metal surface **or** sandblast the metal surface.
2. Wash the metal surface thoroughly and dry with air.
3. Place 2 drops each of Tenure A Adhesive and Tenure B Adhesive into dappen dish. Mix and apply 3–5 coats of Tenure® mixture with a disposable brush to the roughened/cleaned metal surface. Let dry 10 seconds.
4. Apply a thin layer of Virtuoso® Flowable Opaque to opaque the color of the metal. We recommend that you use a 2mm deep test curing ring to determine the proper curing time for your light.
  - a. Place composite into the well of the 2mm test ring and then level the composite.
  - b. Position the light guide approximately 2 to 5mm from the surface of the ring, starting with:  
5 seconds—Sapphire® Plus PAC Light  
10 seconds—Flashlite Magna® 4.0  
30 seconds—Conventional curing lights
  - c. Use a dental probe to check the underside for completeness of cure.
  - d. If necessary, repeat the curing cycle until the underside of the sample is completely cured.
  - e. Maintain a log showing the time necessary with your curing light(s).

**Note:** For restorations that are deeper than 2 mm, and if you are not using a dual-cure material, an incremental placement technique is recommended.

## REPAIR–VIRTUOSO FLOWABLE APPLICATION

1. Select the desired shade and apply a thin layer of Virtuoso Flowable Composite to the prepared surface (porcelain, enamel/dentin, or metal).
2. We recommend that you use a 2mm deep test ring to determine the curing time for your light. See directions in the *Directions-Surface Preparation: Metal* section, for curing.
3. If necessary, finish and polish the restoration using a fluted bur and polishing paste (we recommend using Porcelain Laminate Polishing Paste).

## STORAGE

**Do not** expose to temperatures exceeding 77° F (25° C).

**Do not** expose to direct sunlight.

Recommended temperature when used is 68–75° F (20°–24° C).

## RELATED PRODUCTS AVAILABLE FROM DENMAT:

| Description.....                               | Kit Number |
|------------------------------------------------|------------|
| Cerinate Prime®/Porcelain Conditioner Kit..... | 1399       |
| Visar Seal® 4G .....                           | 3806B      |
| Etch 'N' Seal® Kit.....                        | 030402550  |
| PorcelLock® Kit.....                           | 402060     |
| Paint-On Dental Dam Kit .....                  | 404210     |
| Schure 349 Instrument.....                     | 033034900  |
| Skubes® .....                                  | 0065       |
| Tenure® Multi-Purpose Bonding System.....      | 031146000  |
| Shade Modification System .....                | 033909900  |
| Virtuoso® Flowable Custom Kit .....            | 030381800  |

## SAFETY DATA SHEETS AVAILABLE AT [denmat.com](https://denmat.com)

Symbols Glossary available at:  
[denmat.com/symbols](https://denmat.com/symbols)



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