



BLOCK-OUT[®]
by **Ultra-Bond**[®]

Restorative Resin Cement *for Bonding and Masking
Tetracycline and Dark Stained Teeth for All Veneers*

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DenMat[®]

Block-Out® by Ultra-Bond® is a multi-purpose, photo-initiated, dual-cure, restorative resin cement that excels at bonding porcelain restorations. Block-Out's physical properties are matched to tooth structure and Lumineers® porcelain, virtually eliminating cracking, crazing and pop-offs. Block-Out also provides high abrasion resistance, excellent radiopacity, and is especially suited for masking tetracycline and dark-stained teeth.

Block-Out Try-In Paste is a resin paste that simulates the shade and opacity of its fully cured Block-Out counterpart and is recommended for checking the fit, shade, and opacity of the veneers before cementing them with Block-Out.

PRELIMINARY RECOMMENDATIONS

Note: Always remove Block-Out by Ultra-Bond from the refrigerator about one hour prior to use to allow time for the material to return to room temperature.

Note: If Tenure® A and Tenure B are refrigerated, bring to room temperature and shake vigorously before use.

Note: After placing the auto-mixer tip on the syringe, always extrude and discard a 1/4-inch line of material before using to ensure adequate mixing of the material.

Note: It is imperative that you use magnification, such as the PeriOptix® line of magnification. You will be able to work more effectively and precisely. Your own prescription can be placed in the eyeglass lenses.

CAUTION: Wear protective gloves while using this product.

CAUTION: Wear eye protection while using this product.

CAUTION: UltraBond products contain methacrylate monomers which have been known to cause allergic reaction in individuals sensitive to these ingredients.

CAUTION: Ultra-Bond has not been studied in children, pregnant or breast-feeding women.



Fig. 1

PREPARATION OF LUMINEERS AND TOOTH SURFACES

1. PREPARATION OF LUMINEERS

- a. After the patient is seated, treat the Lumineers with Porcelain Conditioner for 30 seconds. Rinse and dry well.
- b. Apply Cerinate Prime® to the Lumineers for 30 seconds and blow thin.
- c. Place Lumineers back into the case box in their proper slots. Close lid (or cover from light). Once Cerinate Prime is applied to Lumineers, they need to be shielded from the light until the Lumineers are seated.

2. PREPARATION OF TOOTH SURFACES

- a. Clean the teeth with a slurry of pumice and water or Porcelain Laminate Polishing Paste.
- b. Paint-On Dental Dam (optional) is helpful and recommended for Lumineers placement. Before bonding, syringe Paint-On Dental Dam on the lingual side of the interproximals, covering gums and teeth thoroughly. Light-cure for 5 seconds per tip width with the Sapphire® Plus Plasma Arc Curing (PAC) light. This will make your clean-up faster and easier.
- c. Etch teeth for 20 seconds with Etch 'N' Seal®. Rinse and dry.
- d. Mix together equal amounts of Tenure A and Tenure B in a dappen dish. Apply 3-5 coats of the Tenure A-B mixture to each tooth (or until the surface is glossy). Let sit for 10-15 seconds, then gently air-dry.

3. TRY-IN OF LUMINEERS

- a. Apply Block-Out by Ultra-Bond Try-In Paste into each of the Lumineers.
- b. Gently place the Lumineers one at a time and use a brush to clean up the excess Block-Out by Ultra-Bond Try-In Paste.

4. SHOW PATIENT

- a. Hold a mirror approximately 16 inches away from the patient's face and let the patient examine his/her smile.
- b. If the shade is not what you or the patient wants, remove the Block-Out by Ultra-Bond Try-In Paste from the Lumineers and tooth surfaces with a Skubes® sponge or a clean, dry brush. Reapply a new shade of Block-Out by Ultra-Bond Try-In Paste and check the shade again.

Note: DO NOT USE TENURE S. Only use Tenure S to clean up excess ONCE FINAL BLOCK-OUT BY ULTRA-BOND TRY-IN PASTE HAS BEEN SELECTED. Any residue of Block-Out by Ultra-Bond Try-In Paste will be polymerized by Tenure S.

5. REMOVE LUMINEERS AFTER TRY-IN

- a. Use a Schure 349 instrument or cotton pliers and gently tease the Lumineers off the tooth surfaces.
- b. Remove the Block-Out by Ultra-Bond Try-In Paste from the Lumineers and tooth surfaces with a Skubes sponge or a clean, dry brush.
- c. After cleaning residual Block-Out by Ultra-Bond Try-In Paste from the Lumineers with Tenure S, gently thin the Tenure S with air. A thin film will be left on both the tooth and porcelain surfaces. Place Lumineers back in the case box in their proper slots. Close lid (or cover from light).

Note: There is no need to reapply Porcelain Conditioner or Cerinate Prime if you are cementing directly after try-in.

BONDING LUMINEERS® TO AN ENAMEL OR DENTIN SURFACE

1. BONDING LUMINEERS

- a. Select the appropriate shade of Block-Out® by Ultra-Bond® resin cement.

Note: After placing the auto-mixer tip on the Block-Out by Ultra-Bond syringe, always extrude and discard a 1/4-inch line of material before using to ensure adequate mixing of the material.

- b. Apply Block-Out by Ultra-Bond to the prepared Lumineers and put in place.

Note: Block-Out by Ultra-Bond has an extended working and set time to permit placement of multiple laminates. We suggest that the clinician dispense a small amount of Block-Out by Ultra-Bond onto a mixing pad a minute or two before beginning placement and monitor it for working time to provide warning in the event that the placement takes longer than anticipated.

- c. After placing Lumineers, remove excess Block-Out by Ultra-Bond using a Tenure® S Dab-Eze® sponge or soft brush coated with Tenure S.



Fig. 2

VERY IMPORTANT TOOL!

- d. Tack Lumineers in place for 2 seconds using the Sapphire® Plus Plasma Arch Curing light fitted with a Ceri-Taper™ 2 mm tacking tip (see Fig. 2).
- e. Continue to remove excess cement with a soft brush coated with Tenure S.
- f. Using a 9 mm tip and the Sapphire Plus PAC light, completely cure all Lumineers, exposing each surface for 5 seconds.
- g. Remove paint-on dam if placed.

2. BONDING LUMINEERS TO A PORCELAIN SURFACE

- a. Sandblast (microetch) to roughen the porcelain surface.
- b. Avoiding soft tissue contact, apply PorceLock® porcelain etchant (No. 402060) to the porcelain surface for 2-3 minutes. Rinse and dry.
- c. Apply Porcelain Conditioner to the porcelain surface for 30 seconds. Rinse and dry.
- d. Apply Cerinate Prime® (No. 1399) and gently air-dry.
- e. Apply Block-Out by Ultra-Bond resin cement inside Lumineers and place Lumineers on the porcelain surface.
- f. Light-cure for 1-2 seconds using the Ceri-Taper 2 mm or 4 mm tacking tip and the Sapphire Plus PAC light. Remove excess Block-Out by Ultra-Bond resin cement from the margins by using a soft brush coated with Tenure S. Using a 9 mm tip and the Sapphire Plus PAC light, completely cure all Lumineers, exposing each surface for 5 seconds.

Note: Maximum bonding occurs in 24 hours. Final finishing is to be performed at next visit.

- h. Adjust the occlusion and perform a routine finish on the margins.



Before



After

FINISHING

At the placement appointment, only minimal finishing is suggested to finish the DEJ and to remove any excess resin cement. Do not open the embrasures. Maximum bonding occurs in 24 hours. Final finishing should be performed at next visit. We recommend the Lumineers Finishing Kit (No. 033897100), which includes all components listed in the following instructions. (See Fig. 3 to reference the burs used during finishing.)

- a. Clean up any leftover Block-out by Ultra-Bond using either the carbide 12 Fluted bur (B) or the carbide clean-up bur (F).
- b. Use a Schure 349 instrument to remove the cured cement along the margins, as well as from the interproximal area along both the facial and the lingual. You may also use the carbide 12 fluted bur (B). This bur is an excellent tool for cleaning up residual resin cement and for finishing composites.
- c. Using a diamond mosquito interproximal bur (E), remove the porcelain ledge, if any.
- d. Using the diamond mosquito interproximal bur (E), refine the margins along the interproximal area, if necessary.

- h. Check the bite with articulating paper. Use the diamond football bur (C) on the lingual to finish the incisal wrap and adjust high spots or length.
- i. Place a wooden wedge interproximally (optional).
- j. Use the CeriSaw™ to separate the teeth using a rocking motion. Leave the wooden wedge in place.
- k. Use the CeriSander™ (fine grit) to smooth the interproximal surfaces.
- l. Use the CeriSander (ultra-fine grit) to further smooth the interproximal surfaces. It is important that you use each sanding blade only two or three times per tooth to smooth contacts.
- m. Remove the wooden wedge.
- n. Check the interproximal surfaces with dental floss for smoothness.
- o. Polish the new smile beginning with a carbide clean-up bur (F). Continue with Porcelain Laminate Polishing Paste using polishing cup (G).



- A. Diamond porcelain ledge bur
- B. Carbide 12 fluted bur
- C. Diamond football bur
- D. Diamond extra-fine smoothing bur
- E. Diamond mosquito interproximal bur
- F. Carbide clean-up bur
- G. Polishing cup

STORAGE

Block-Out Resin Cement

- Refrigerate Ultra-Bond Plus resin cement. Bring to room temperature prior to use.
- Avoid exposure to temperatures exceeding 75° F (24° C).
- **Do not** expose to direct sunlight.
- **Do not** freeze.

RELATED PRODUCTS AVAILABLE FROM DEN-MAT

Description	Product Number
Ultra-Bond® Plus Multi-Shade Kit	032599750
Ultra-Bond Try-In Paste Multi-Shade Kit.....	031343550
Block-Out® By Ultra-Bond® Multi-Shade Kit	032491510
Lumineers® Finishing Kit	033897100
Tenure® MPB System	031146000
Tenure Uni-Bond® with Gloss-N-Seal®.....	030411900
Cerinate Prime® and Cerinate® Porcelain Conditioner.....	1399
Cerinate® Shade Modification System II.....	033909900
CeriSaw™	031336500
CeriSander™	031337500
Tenure S Dab-Eze®	031145201
Sapphire® Plus Plasma Arc Curing Light.....	033968000

SAFETY DATA SHEETS AVAILABLE AT denmat.com



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