

Resin Cement

U.S. Patent 5,360,770



For

LUMINEERS®
BY CERINATE®

Refrigerate For Maximum Shelf Life

Ultra-Bond® Plus is a multi-purpose, photo-initiated, dual-cure, resin cement that excels at bonding porcelain restorations.

Ultra-Bond's physical properties are matched to tooth structure and Cerinate® Porcelain, virtually eliminating cracking, crazing and pop-offs. Ultra-Bond also provides high abrasion resistance, excellent radiopacity, and an opacity that reproduces the beauty of natural teeth.

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

Precautionary recommendations

1. 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.
2. Ultra-Bond Plus Neutral shade should be used when you want the original tooth shade to shine through. If you want more opacity, use another shade or use with a Cerinate Shade Modification System (No. 033909900).

SIMPLIFIED PROCEDURE TO CONFIRM OR CHANGE DESIRED SHADE

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.

2. Preparation of Tooth Surfaces

- a. Clean the teeth with a slurry of pumice and water or Porcelain Laminate Polishing Paste.
- b. Etch teeth for 20 seconds with Etch 'N' Seal®, rinse and dry.
- c. Mix together equal amounts of Tenure® A and B. Apply 5 coats to each tooth. After last coat, allow to sit for 10-15 seconds then gently air dry.

3. Try-In of LUMINEERS

- a. Shade/Opacity Modification (if necessary). We recommend the Cerinate Shade Modification System which contains 4 opaquers and 12 modifiers.

Mix Ultra-Bond Plus Try-In Paste and the Shade Modifier/Opaquer (no catalyst required) until well-blended

and apply to the prepared LUMINEERS. Adjust the ratio of Ultra-Bond Plus Try-In Paste to Shade Modifier/Opaquer to achieve desired result. Make note of the final mixing ratio and use the same proportions for final cementation using Ultra-Bond Plus Cement. See the instructions that are provided with the Cerinate Shade Modification System for details.

- b. Apply the Ultra-Bond Plus Try-In Paste/Shade Modifier or Opaquer mixture into each of the LUMINEERS.
 - c. Gently place the LUMINEERS one at a time and use a brush to clean up the excess Try-In Paste.
4. **Show Patient** - Hold the mirror approximately 16 inches away from the patient's face and let them examine their smile.
 - a. If the shade is not what you or the patient want, remove the Try-In Paste from the LUMINEERS and tooth surface with a Skubes® or a clean, dry brush. Reapply a new shade of Try-In Paste and check the shade again.
 5. **To 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 Try-In Paste from the LUMINEERS and tooth surfaces with a Skubes or clean dry brush. **DO NOT USE Tenure S.**
 - c. **Only use Tenure S to clean up excess once final Ultra-Bond Plus Try-In Paste has been selected.** 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.

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

BASIC STEP-BY-STEP BONDING FOR LUMINEERS® TO ENAMEL OR DENTIN

1. Bonding LUMINEERS

- a. Select the appropriate shade of Ultra-Bond Plus.

Note: After color selection is achieved, internal surfaces of LUMINEERS do not need to be retreated.

Note: If you have elected to skip LUMINEERS Try-In, brush a thin coat of Tenure S into each of the LUMINEERS and thin with air.

- b. Apply the Ultra-Bond Plus to the prepared LUMINEERS. Ultra-Bond Plus will self-cure in approximately 22 minutes.
 - c. After placing, remove excess with soft brush coated with Tenure S or Tenure S Dab-Eze sponges.
 - d. Tack LUMINEERS in place using a Sapphire™ Plasma Arc Curing Light fitted with 2 mm CERI-TAPER™ tacking tip or similar instrument for 1 second.
 - e. Continue to remove excess cement with soft brush coated with Tenure S.
 - f. Completely light-cure all LUMINEERS, exposing each surface for 5 seconds with a Sapphire Plasma Arc Curing Light with the 9 mm curing tip in place.
2. **Finishing** - At placement appointment only minimal finishing is suggested to finish the DEJ and to remove any excess resin composite. 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) that includes all components listed in the following instructions.

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- a. Clean up any leftover **Ultra-Bond®** resin cement using Bur G (or D).
- b. Use **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 Bur G. This bur is an excellent tool for cleaning up residual resin cement and also great for finishing composites.
- c. Use Bur B to remove the porcelain ledge.
- d. Trim/polish the margins of the porcelain veneer. Use Bur C, an extra-fine diamond, to smooth out porcelain.
- e. Using the interproximal fine diamond Bur F, known as the “mosquito” diamond, refine the margins along the interproximal area.
- f. Explore the tooth structure next to the **LUMINEERS® BY CERINATE®** to check margins. There should not be a catch (or bump).
- g. If necessary, further polish the margins using the interproximal fine diamond Bur F again.
- h. Check the bite with articulating paper. Use Bur E, the American football-shaped bur, 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. Leave the wooden wedge in place.
- k. Use the CeriSander (fine grit) to smooth the interproximal surfaces.
- l. Remove the wooden wedge.
- m. 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.
- n. Check the interproximal surfaces with dental floss for smoothness.
- o. Polish the new smile with Porcelain Laminate Polishing Paste using polishing cup A.

BONDING PORCELAIN TO PORCELAIN

We recommend the use of **PorceLock® Porcelain Etchant** as found in the **Revitalize™ Supplemental Kit** (No. 032390700), or for individual syringe (No. 030402062).

STORAGE

Do not expose to temperatures exceeding 75° F (24° C).

Do not expose to direct sunlight.

Do not freeze.

Refrigeration is recommended to maximize shelf life. Bring to room temperature prior to use.

RELATED PRODUCTS AVAILABLE FROM DEN-MAT:

Description	Product Number
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 . . . . .	.033909900
Ultra-Bond® Try-In Paste Kit . . . . .	.031343550
CeriSaw . . . . .	.031336500
CeriSander . . . . .	.031337500
Tenure® S Dab-Eze® . . . . .	.031145201
Sapphire Plasma Arc Curing Light . . . . .	.033958000

LIMITED WARRANTY

Den-Mat will replace, or refund the purchase price, of any of its products that are proven to be defective within 30 days of the purchase date. Replacement of defective goods, or refund of the purchase price, shall be the exclusive remedy for the user. Den-Mat will not be liable for any economic, incidental, or consequential loss or damage that arises out of the use of, or the inability to use, its products.

This limited warranty is in lieu of all other warranties, expressed or implied, and shall be void if the product is improperly stored or used. There are no implied warranties of merchantability, fitness for a particular purpose, or otherwise. Before using this product, the user shall determine whether it is suitable for the intended use and the user shall assume all risk and liability associated therewith.

TELEPHONE INQUIRY SERVICE

Technical consultation is available by calling toll-free in the U.S.A. and Canada.

Ordering, inquiry, customer service, technical (800) 445-0345

Cerinate® Studios customer service (800) 872-8384

Domestic fax ordering and inquiry (805) 349-2600

International inquiry (805) 347-7990

International fax ordering and inquiry (805) 349-2607

Websites: www.lumineersdds.com
www.denmat.com

MSDS SHEETS AVAILABLE AT www.denmat.com

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