

PULPDENT®

Lime-Lite™ Enhanced

Light Cure Cavity Liner

Calcium, Phosphate, and Fluoride Releasing • Radiopaque • Moisture Tolerant • Universal Dentin Shade • Contains no BPA

PRODUCT DESCRIPTION

Lime-Lite Enhanced is a moisture tolerant, light cure, radiopaque cavity liner and base with self-adhesive properties. It releases beneficial calcium, phosphate, and fluoride ions and is formulated for use with adhesives, composites, and conventional restorative materials.

Lime-Lite Enhanced contains a patented rubberized-resin component that absorbs shock and stress and resists fracture and chipping. The material sets hard upon light curing, has a dentin shade, and is virtually insoluble in water and oral fluids.

Lime-Lite Enhanced contains no BHT, no Bisphenol A, no Bis-GMA, and no BPA derivatives.

INDICATIONS

Indicated as a light cure cavity liner and base.

CONTRAINDICATIONS

Not indicated for direct placement on the exposed pulp.

INSTRUCTIONS FOR USE

1. Prepare cavity, rinse, and dry, but do not desiccate the tooth.
2. Place a pink 20-gauge dispenser tip securely onto the Lime-Lite Enhanced syringe.
3. Apply 1-1½mm of Lime-Lite Enhanced to the dentin.
4. Light cure for 20 seconds (450 mW/cm²). Do not exceed manufacturer's recommended curing time for the light you are using.
5. If used as a base, apply additional increments of 1-1½mm and light cure each layer. Cap syringe immediately after use.
6. Proceed with restoration. Lime-Lite Enhanced can be etched and is compatible with all bonding agents and dental restorative materials. It can be used with both open sandwich and closed sandwich techniques.

NOTE:

- Lime-Lite Enhanced has a urethane dimethacrylate base and is similar in chemistry to dental composites. It chemically bonds to composites and adhesive primers. When increased bond strength to dentin is desired, use of a bonding agent is recommended.
- If using Lime-Lite Enhanced under water based cements, such as zinc phosphate, polyacrylic or glass ionomer cement, remove any uncured resin from the surface of Lime-Lite Enhanced (oxygen inhibited layer) with a pledget of cotton moistened with alcohol.

PHYSICAL PROPERTIES

Light cure set time	20 seconds (450 mW/cm ²)
Depth of cure	2.8 mm
Compressive Strength	330 ± 47.9 MPa
Flexural Strength	129 ± 18.7 MPa
Diametral Tensile Strength	46.5 MPa

CAUTION:

Uncured material may cause eye or skin irritation on contact. Dental professionals should wear safety glasses and surgical gloves. Do not exceed manufacturer's recommended curing time for the light you are using.

STORAGE AND HANDLING

- Store tightly sealed in original container at cool room temperature. Avoid direct light, extremes of temperature, contamination and sources of ignition.
- Shelf life of unopened product: 2 years from date of manufacture.
- Re-cap immediately after use.

Note: Apply disposable barrier sleeves/wraps over multiple-use dental dispensers before use with each patient. For additional information, refer to: <http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/DentalProducts/ucm404472.htm>.

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