



INSTRUCTIONS FOR USE

NeoLINER™ LC

MTA modified light-cure liner/
indirect pulp capping material



NeoLINER™ LC

COMPOSITION & DESCRIPTION

MTA-modified, light curable flowable liner/indirect pulp capping material consisting of a moisture-tolerant resin, modified with MTA for bioactivity. NuSmile NeoLINER LC can be applied accurately, even in deep cavity preparations, with little waste using the supplied tip. Setting is achieved in as little as 20 seconds with light-curing at a thicknesses of ≤1mm. NeoLINER LC is moisture tolerant and can be applied to moist dentin, it is insoluble and will not wash out once light-cured, allowing the restoration to be completed immediately after placement and curing.

MATERIAL CHARACTERISTICS

- Bioactive - high calcium release
- Moisture tolerant
- High flow
- Light-cure
- Radiopaque

INDICATIONS

Cavity Liner:

- Under amalgam restorations
- Under composite restorations
- Under preformed crowns

Indirect Pulp Capping:

- In deep cavities or tooth fracture where pulp is near exposure.
- As an alternative to calcium hydroxide, glass ionomer, RMGI, IRM/ZOE and other liners indirect pulp capping materials.

CONTRAINDICATIONS

- Hypersensitivity against caustic (high pH) solutions.
- Hypersensitivity against methacrylates.

ADVERSE REACTIONS

- Material may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients.
- Unpolymerized material may have an irritating effect and may lead to a sensitizing reaction against methacrylates.

WARNINGS

- NeoLINER LC is caustic, as are all tricalcium silicates.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.

INTERACTIONS WITH OTHER DENTAL MATERIALS

- Do not place eugenol materials under or over NeoLINER LC, or use in combination with substances containing eugenol. Eugenol inhibits the polymerization of NeoLINER LC.
- Do not store the material in proximity of eugenol containing products or let the material come into contact with materials containing eugenol.

STORAGE

To ensure maximum shelf life, store NeoLINER LC at 2-8° C (37-46°F) in the original sealed pack. After opening the foil pouch the product should be stored protected from light and moisture at room temperature 19-25°C (66-77°F) and used within six months for optimal performance. Recap syringe immediately after use.

PRECAUTIONS

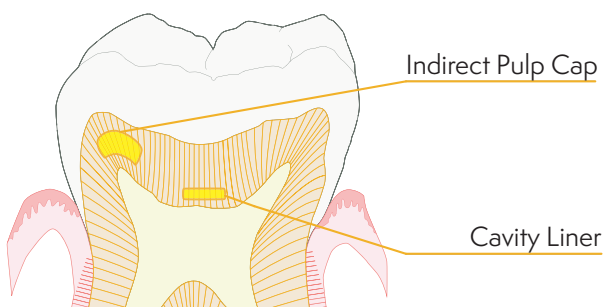
- Avoid contact of unset paste with skin, eyes or oral mucosa. After incidental contact, wash and rinse with water.
 - In case of contact with eyes, rinse with copious amounts of water and consult a physician immediately.
 - Wear suitable gloves and protective glasses during use.
 - NeoLINER LC must be kept well sealed. Immediately recap after each use.
 - Avoid touching the syringe to a contaminated surface.
 - Cover the syringe body with a disposable protective sleeve if used intraorally to minimize contamination of the syringe.
 - NeoLINER LC and tips are provided in non-sterile packaging. This product cannot be sterilized. Clinicians should follow their established protocols for cleaning and disinfection of the NeoLINER LC syringe between uses.
- See: www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf

ISO 9917-2 and OTHER PROPERTIES

- Recommended Curing Time:
20 - 40 seconds @ 400-500 nm / 800 - 1200 mW/cm²
- pH: 12
- Compressive Strength: >160 MPa
- Flexural Strength: ≥ 50 MPa

CLINICAL DIRECTIONS FOR USE:

NeoLINER LC material is shown in **Yellow** in the drawing:



APPLICATION

- Complete a cavity preparation under rubber dam isolation, using a high-speed bur.
- Remove the screw cap and save for later use. Attach the tip to the NeoLINER LC syringe. Apply steady pressure to the plunger while dispensing. Do not over-exert.
- NeoLINER LC should be applied to moist dentin with no pooled water, saliva or blood present at the treatment site.
- NeoLINER LC is compatible with all etching/bonding systems and dental restorative materials following the manufacturers instructions.
- Use of a bonding agent prior to placement of NeoLINER LC is recommended.
- Apply NeoLINER LC to the cavity floor in a layer ≤ 1 mm thick. For indirect pulp capping be sure to apply directly onto the area closest to the pulp.
- Light cure for 20-40 seconds.
- Remove any NeoLINER LC that adhered to the walls of the preparation before completing an intracoronal restoration.
- If restoring with a preformed crown, a bonding agent is not necessary.
- After use of the syringe remove the tip and replace with the screw cap. Dispose of the tip. Tips are single use only.

OTHER APPLICATIONS:

If desired, NeoLINER LC may be placed over NeoPUTTY® to secure and complete restoration.

SYMBOLS USED ON LABELING:

	Manufacturer		Caution		Expiration Date
	Prescription Only		Keep Dry		Keep away from sunlight
	Consult Instructions For Use		Lot Number		Do not reuse (Tips Only)
	Irritant		Catalog Number		Mfg. for NuSmile, Ltd. 3315 West 12th St. Houston, TX 77008 USA +1713.861.0033