



Light-Cure Sealant



REF 030381750

**CONTENTS:**

- Virtuoso Fissure Sealant Opaque, 2 pc. @ 1 g ea. **CE 0044**
- Virtuoso Fissure Sealant Clear, 2 pc. @ 1 g ea. **CE 0044**
- Tenure® S Dab-Eze 3g **CE 0044**
- Etch'N'Seal® 3 ml **CE**
- Syringe tips 18 G, 20 pc. (NM-D)
- Instruction card (NM-D)
- All-Surface Bonding Chart (NM-D)

**Store in Cool, Dry Location**



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



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Virtuoso® Sealant can be used both as an enamel sealant or composite margin sealant.

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

**CAUTION:** Wear eye protection and protective gloves while using this product.

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

## DIRECTIONS

### For Enamel Surface (Pit and Fissure Sealant)

1. Perform a quick prophyl.
2. Apply Etch 'N' Seal® to enamel surfaces for 10 to 15 seconds. Rinse and dry.
3. Apply Virtuoso Sealant to the surface. Tenure® S Dab-Eze can be used to adapt the Virtuoso Sealant to all of the occlusal surfaces.
4. Light cure Virtuoso Sealant.
5. If necessary, check the bite, then perform minimal finishing and polishing.

### To Refresh Old Composite Surfaces

1. Use a fine diamond to remove the surface of the old composite to expose a new layer.
2. Apply Etch 'N' Seal to the composite surface (extend it out to cover approximately 3 mm of the enamel adjacent to the restoration margin) for 10 to 20 seconds. Rinse and dry.
3. Apply Virtuoso Sealant to composite surfaces and marginal area. Light cure.
4. If necessary, check the bite then perform minimal finishing and polishing.

Due to variations in the performance characteristics of light curing units ALWAYS bench test restorative materials before use in vivo.

- a. Fill a 2 mm deep test ring well and level material.
- b. Position the light transmitting element perpendicular to and approximately 2 mm – 5 mm above the top surface of the test ring.
  - With Sapphire PAC lights (all models) start with 5 second exposures.
  - With Flashlite LED lights (all models) start with 10 second exposures.
  - For all other curing lights; halogen, LED and other, refer to the manufacturer instructions. A minimum of 10-30 seconds is recommended.

c. Use a dental probe to scrape test the hardness of the top and bottom surfaces. The bottom surface should be as hard as the top surface.

d. If the bottom surface is not completely cured, repeat steps (b) to (c). Repeat until the bottom surface is completely cured.

e. Maintain a log including material, shade and associated curing exposure time. Use the log to monitor system performance.

Note: If a cavity preparation is deep, curing exposure times must also be increased due to beam divergence and angular placement of the light transmitting element to the restoration. An incremental filling technique is recommended and each increment should be fully cured prior to applying additional layers.

General guidelines for curing light unit exposure times. See manufacturer's instructions. ALWAYS bench test restorative materials before use in vivo.

- Curing lights with power density greater than 800 mW/cm<sup>2</sup>. Cure the buccal and lingual with 10 second exposures for each area.
- Curing lights with power density less than 800 mW/cm<sup>2</sup>. Cure the buccal and lingual for 20 second exposures for each area.
- Curing lights with power density less than 300 mW/cm<sup>2</sup> should not be used to cure.

## STORAGE

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

**Do not** expose to direct sunlight.

**Do not** freeze.

Cold storage is not required.

## RELATED PRODUCTS AVAILABLE FROM DEN-MAT

Description	Product Number
Etch 'N' Seal® 8 pc Syringe Kit.....	030402550
Tenure® S Dab-Eze 3 g.....	031145201
Sapphire® Plus Plasma Arc Curing Light.....	033968000
Flashlite Magna® 4.0 LED Curing Light .....	CR1079

SAFETY DATA SHEETS AVAILABLE AT [www.denmat.com](http://www.denmat.com)

