



Virtuoso Universal

All-Purpose, Micro-Hybrid, Composite Restorative



Virtuoso® Universal composite is a light-cure, x-ray opaque, restorative composite designed for use in both anterior and posterior restorations. Virtuoso Universal is a micro-hybrid restorative that ensures a gloss-smooth, lustrous finish combined with superior physical properties on final restorations. It is packaged in single-dose compules and can be placed easily into the prep. The Introductory Kit contains shade A3.5 to mimic Dentin Shade, A2 can be used as a Universal Shade, and Translucent is recommended to mimic Enamel Shade. Its unique chemistry combines the esthetics of tooth-colored restorations with low polymerization shrinkage and a low wear rate. Virtuoso Universal easily polishes to a tooth-like luster, creating a natural looking restoration for years to come.

Symbols Glossary available at:
www.denmat.com/symbols



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INDICATIONS

Direct anterior and posterior restorations, indirect restorations, including inlays, onlays, and veneers.

CAUTION: Wear protective gloves while using this product.

CAUTION: Wear eye protection while using this product.

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

DIRECTIONS

1. Preparation – Perform a routine prep for composites with beveled enamel margins.
2. Apply your bonding agent of choice from the Tenure® bonding agent product line.
3. Place composite – For a small prep, select and apply the proper shade and proceed with curing. For a large prep, the following placement technique is recommended:
 - a. Dentin replacement: Syringe and cure Dentin Shade (A3.5) Virtuoso Universal restorative composite in layers until about 1 mm short of prep margins. (2 mm incremental placement and curing is recommended.)
 - b. Enamel replacement: Syringe and fill the remaining preparation using the Enamel (Translucent) Shade Virtuoso Universal restorative composite. Develop the anatomy details and light-cure. Refer to the curing instructions.
4. Finish and Glaze – Use a fine diamond bur and a 12/30 fluted bur to finish the composite. Rinse and air-dry the whole surface (both tooth structure and composite) followed by the application of Tenure Uni-Bond. Apply a thin coat of Gloss-N-Seal® to the surface and light-cure.

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

- a. Fill a 2mm deep test ring and level material.
- b. Position the light transmitting element perpendicular to and approximately 2mm-5mm above the top surface of the 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/cm². Cure the buccal and lingual with 10 second exposures for each area.
- Curing lights with power density less than 800 mW/cm². Cure the buccal and lingual for 20 second exposures for each area.
- Curing lights with power density less than 300 mW/cm² 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.

RELATED PRODUCTS AVAILABLE FROM DENMAT:

Description	Kit Number
Virtuoso® Flowable Introductory	030382800
Virtuoso® Flowable Custom 15 Shade.....	030381800
Tenure® Uni-Bond® with Gloss-N-Seal®	030411900
Sapphire® Plus Curing Light	033968000
Flashlite® Magna 4.0 LED Curing light.....	CR1079

SDS SHEETS AVAILABLE AT www.denmat.com