DENTATUS LUMINEX POST SYSTEM

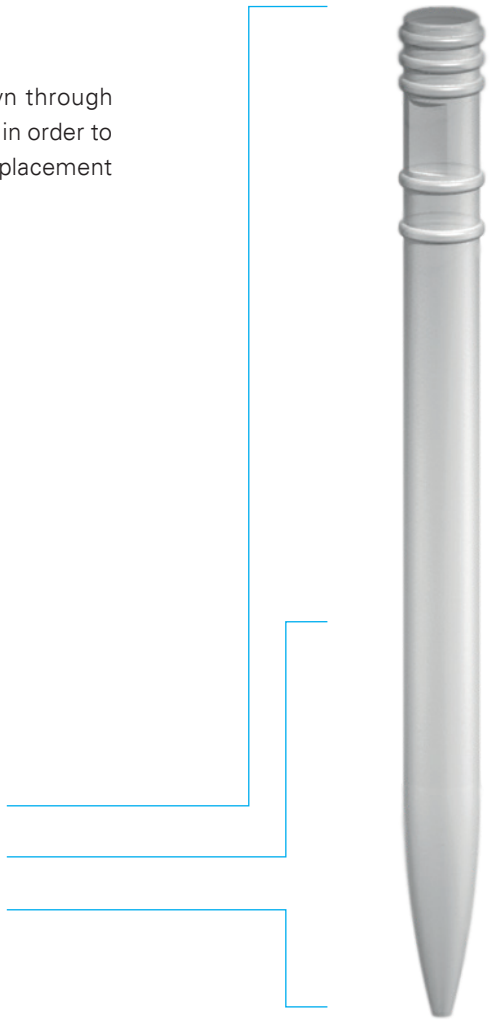
FOR RESTORING THIN-WALLED ROOTS

The Visible Cure for Saving Compromised Roots

The Advantages

- Light guides for building up roots
- To strengthen debilitated roots
- Create a “standard” root canal
- Easy single office visit procedure

The Luminex post allows the polymerizing light to pass down through light cured composites inside weak, debilitated root structures, in order to strengthen the root and to leave an ideal space for subsequent placement of prefabricated or custom cast posts and cores.



Dentatus

Luminex Trans-Illuminating Post Technology

A user friendly, single office visit solution for restoring compromised thin-walled roots with strong adhesive materials.

All too often, fragile, thin-walled teeth present major restorative problems: cast posts or extractions were often the only alternative. But today, there is a user friendly, single office visit solution to this problem.

The clear light transmitting posts polymerize light-cured composites within the entire root canal. After curing, the Luminex post is removed, leaving a ready canal for any corresponding Dentatus Post.

Reinforced Root Strength: Light-cured composites internally reinforce the root structure providing maximum sheer load support and retention.

Improved Control: Light-curing composites are easy to control, more adaptive, and safer than autocured composites that may prematurely harden.

Centered Canal Position: The Luminex post technique centers the canal and forms a selected sized, full length parallel sided canal for corresponding Dentatus posts.

Superior Aesthetics: The light-cured composite inside the canal masks metal posts with a reflective tooth colored foundation for modern restorations.

Technique Versatility: Luminex smooth and grooved posts may be also used as an impression and castable post pattern in the direct and indirect fabrication of posts.

Superior Delivery System: Selection of Luminex and metal posts in all sizes along with corresponding reamers and components are packaged in the refillable, easy to use dispenser.

The Visible Cure for Saving Compromised Roots

Formerly fragile, thin-walled and flared roots have presented major restorative problems due to fracturing and poor retention of posts. Often extraction has been the only alternative. Today there is an easy-to-use, effective solution to this problem.

Performed at chairside in one visit, the clear Luminex Light Transmitting Posts enable the polymerzation of acid-etched, bonded, light-cured composites within the entire root canal to be used with a corresponding range of retentive posts.

Problem

The large defect at coronal root end of the maxillary left central incisor is caused by carious extension into a previously traumatized, immature incisor.

Solution

Light is transmitted into the root canal using light-transmitting plastic post to polymerize the intracanal composite resin.

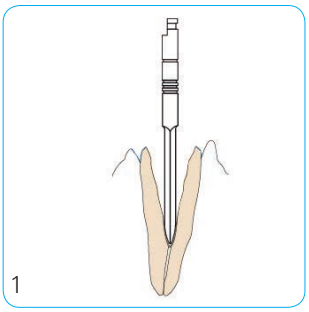
A matching post canal is created in conjunction with composite resin reinforcement of the defective root.

A prefabricated matching grooved metal post is cemented into the reconstituted post canal.

Overview of Clinical Procedure

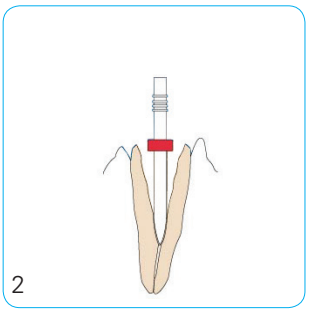
1. Canal Preparation

Prepare the root canal to the desired size and depth with suitable Dentatus Standard Classic or Helix Classic reamers to fit a correspondingly sized Luminex smooth post.



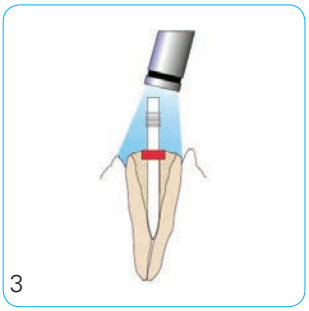
2. Centering and Depth Control

Insert the smooth Luminex post into the prepared canal to full depth and place a red stop for depth indication. Remove the Luminex post. Acid-etch and bond according to the manufacturer´s instruktions for bonding system.



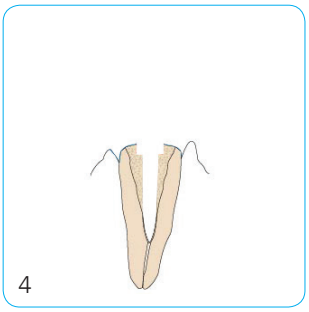
3. Polymerization

Apply a low viscous light-curing composite resin into the canal. Place the Luminex post to its full depth. Remove the excess material from the coronal region. Light-cure the post faciolingually according to the manufacturer´s instructions for the composite.



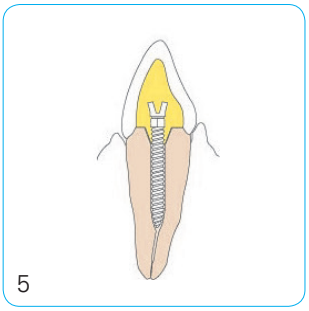
4. Restored full Lenght Canal

Remove the Luminex post by first twisting in place and then pulling in an upward motion. Before cementation, retentive, antirotational indents can be made in the canal with Probos II or similar instruments.



5. Complete Restoration

Select a suitable length post that corresponds in diameter with the Luminex post used. Verify its dimensions using the gauges. Applay the luting or bonding material to the post. Use the hollow key for passive post placement in the canal. After the cement/bonding material has fully set, the cross-key can be used to form metal post heads according to the desired finishing crown shape. For future canal access, the cross-key may be used to unscrew phosphate cemented prefabricated metal post. (The Luminex grooved posts are excellent to use as a pattern for custom cast post and cores that fit passively in the reconstructed canal.)



Use Luminex with Dentatus Classic Surtex® Posts for the Complete Restauration

The original Dentatus Classic Surtex® Posts have become a global standard in dental anchors, and offer dentists a reliable and simple solution for post and core build-up. Our high-quality, pre-fabricated posts are dependable and economic for most endodontic and prosthodontic treatment needs, available in a range of materials including pure titanium, stainless steel and gold-plated.

Whatever your crown retention requirements, Dentatus Classic Surtex® Posts has the solution. Available in titanium, stainless steel and goldplated, together with our dedicated reamers they form a state-of-the-art system for post retention in endodontically treated root canals. Dentatus Classic Surtex Posts – a continuously developed global standard since 1932.

Dentatus AB
www.dentatus.com
SE: +46 8 546 509 00
info@dentatus.se
US: +1 212 481 1010
dentatus@dentatus.com

MADE IN SWEDEN

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