

Luscent Anchors[®]

THE UNIQUE FIBERGLASS RESIN POST AND CORE SYSTEM



**Starter-Kit
with Helix
Reamers
included**

Premier product for strong aesthetic restorations .

Dentatus Luscent Anchors offer the One-Step procedure for simultaneously curing of adhesives and composites within the confines of canals, creating a mono-bloc strength anchor-core support.

The resin-reinforced fiberglass Luscent Anchors is the optimal choice for anchorage and a cohesive foundation for flawless aesthetics. The anchors can be economically placed in the smallest and largest canals with off-the-shelf brand name adhesives and resins. Luscent Anchors transmit natural hues and tooth colors through the teeth and the surrounding gingival tissue.





Luscent Anchors®

AESTHETICS

The Dentatus Luscent Anchors transmit light into the confines of canals, polymerizing adhesives and composites attaching firmly the anchor with core foundation. The Luscent Anchors, with modern adhesive materials, overcome the disadvantages of metal post products especially in the highly aesthetic visible zones. It creates the ideal color background for crowns and the surrounding gingival tissue that is accomplished with conventional techniques and procedures.

ADHESION

The Luscent Anchors are composed of longitudinal fiberglass rods in a strong resin matrix with a modulus of elasticity well within the range of dentin. It provides the strength needed for supporting restorations. The anchor-core construction creates the ideal mono-bloc strength foundation for aesthetic restorations.

TECHNICAL INFORMATION

Luscent Anchors provide extremely high adhesion to composite materials. The glass fibres contain silica similar to the fillers of composite materials. The post and core is retentive and antirotational, conserving sound radicular and coronal structure.

Post	Flex. Str. (Mpa)	Mod. Elast (Gpa)	Core ret. (KN)	Post ret. (KN)
FR	277.92(27.68)	22.22 (.94)	0.422 (0.052)	0.578 (0.0109)
LU	579.93	20.41 (1.97)	0.308 (0.028)	0.470 (0.0104)
CR	454.25 (105)	156.63 (4.23)	0.301 (0.040)	0.123 (0.026)
CO	357.37 (9.44)	152.01 (3.15)	0.296 (0.044)	0.201 (0.041)

FINISHED ELEMENTS MANNERS (FEM)

of the stress in the interface dentin-post:

Steel post maximum stress 7,51 MPa

Carbon post maximum stress 3,45 MPa

Glass post maximum stress 2,22 MPa

The results show the best behaviour of glass fibers posts which are the most elastic. Sandro Rengo: Atti del III Simposio Internazionale Odontoiatria Adesiva e Ricostruttiva

PULL-OUT TEST :

Carbon fiber posts: 27,09 MPa

Glass fiber posts: 30,21 MPa

J Dent Tes 80 (AADR Abstracts) 2001

Mechanical and retentive properties of new aesthetic posts. F.A. AL-HARBI

D. NATHANSON. (Boston University, Boston Mass).

This study compares some mechanical and retentive properties of resin post systems: Fibrekor - Jeneric/ Pentron (FR); Luscent - Dentatus (LU); and ceramic posts: Cerapost - Brassier (CR); and Cosmopost - Ivoclar (CO). Titanium Para-posts (Ti) were used as a control. A 3-point bending test was performed on each system to calculate the flexural strength and modulus of elasticity. Fifty extracted human canines were endodontically treated and post spaces prepared, then 9.0 mm posts were cemented with C&B resin cement (Bisco). Core retention was tested by forming BisCor (Bisco) resin cores around posts using a special mold. Retention was tested using an Instron Testing Machine. Following is the reproduced study.

SIZES

XXXS LENGTH:15 MM, Ø 1,0 MM

S LENGTH 15 MM, Ø 1,45 MM*

XXS LENGTH:15 MM, Ø 1,15 MM

M LENGTH 17 MM, Ø 1,6 MM*

XS LENGTH:15 MM, Ø 1,3 MM*

L LENGTH 19 MM, Ø 1,75 MM*

*Helix Reamers available for these sizes

HELIX REAMERS

For Intraradicular shaping. With sharp cutting edges to create perfect seats for all Dentatus root canal posts. Made of toughened surgical quality steel, the reamers are reliable and long-lasting in their performance, with high cutting capacity, smooth cutting action and improved transport of cutting debris.

STARTER KIT

CAT#: LUC-K10

Including: 5x Luscent Posts XS, 5x Luscent Posts S, 5x Luscent Posts M
3x Helix Reamers, Forms-To-Fit

