English

INSTRUCTIONS FOR USE:

Please observe the following important guidelines when placing *FibreKleer* Posts:

- To enhance the resistance fracture of the core and restoration, 2mm of tooth structure should be left above the gumline prior to and after preparation. If this amount of tooth structure is unavailable, it should be created by crown lengthening.
- The finish line or margin of the preparation should remain on solid tooth structure, not on the core build-up.
- Resin cements and core materials provide the best result when used with the *FibreKleer* Post System. Pentron® recommends Cement-It® Universal C&B™ Resin Cement and Build-It® FR™ Fiber Reinforced Core Build-up Material.
- *FibreKleer* Posts may be sterilized. Use cold sterilants such as glutaraldehyde.
- *FibreKleer* and FibreKor® Drills must be sterilized.
- *FibreKleer* Posts must be cut with a diamond bur or a diamond separating disk.
- Cement may be carried to the canal via a Lentulo Spiral instrument to ensure complete coverage of cement in the canal.
- If retreatment of the apex is required, the *FibreKleer* Post can be removed by drilling into it with the corresponding size of *FibreKleer* or *FibreKor* Drill.

Instructions for Placing the *FibreKleer* Post

1. Place an appropriately sized *FibreKleer* or *FibreKor* Drill against a periapical radiograph to determine the required width of the *FibreKleer* Post.
2. Using this same drill, determine the depth of the post space preparation, leaving at least 4mm of Resilon™* obturation material or gutta percha at the apical end. Place rubber endodontic stops on the drills corresponding to the desired depth to avoid over-preparing the post space.
3. Using either Gates-Glidden drills or Peeso Reamers, remove the *Resilon* obturation material or gutta percha from the canal. Leave at least 4mm of *Resilon* obturation material or gutta percha at the apical end.
4. Using the *FibreKleer* or *FibreKor* Drill complete the canal preparation.
5. Rinse out the canal to remove the debris and dry it with an air syringe and paper points.
6. Trial seat a *FibreKleer* Post in the canal that corresponds to the size of the last drill used. A radiograph may be taken at this point to verify that the post is fully seated.
7. *FibreKleer* Post must be trimmed with a water-cooled, high-speed diamond bur or diamond separating disk. Trimming of the *FibreKleer* Parallel Posts should be done from the apical end to preserve the retentive head feature. *FibreKleer* Tapered Posts should be trimmed from the occlusal end to preserve the apical taper.
8. Clean the post with an alcohol wipe and dry it with a blast of oil-free air.
9. Acid-etch the canal with 37% phosphoric acid for 20 seconds.
10. Rinse the canal thoroughly and dry using paper points. Leave the dentin slightly moist.
11. Introduce Bond-1® Primer/Adhesive (or another suitable bonding agent) into the canal using a syringe or a microbrush. If a microbrush is used, two or more applications may be required. Gently dry the canal with a stream of oil-free air and use a paper point to remove excess resin from the canal. Do not light cure at this point.
12. Mix equal amounts of *Cement-It Universal C&B* Cement, Lute-It® Dual Cure Luting Cement base and catalyst, or *Build-It F.R.* Core Build-up Material (or other suitable dual cure resin cement). Coat the walls of the canal with the cement using a Lentulo Spiral.
13. Coat the Post with *Cement-It Universal C&B* Cement, *Lute-It* Cement or *Build-It F.R.* Core Build-up Material and insert it into the canal with gentle finger pressure, allowing excess cement to vent.
14. Remove the excess cement with a plastic instrument.
15. Initiate the set of the dual cure cement by light curing the top of the canal for 10 seconds. *Cement-It Universal C&B* Cement, *Lute-It* Cement, or *Build-It F.R.* Core Build-up Material will fully set in approximately 4 minutes.
16. Using a matrix band or core form, a core can be fabricated by bonding a composite core material (*Build-It F.R.* Core Build-up Material) to the post and remaining dentin.
17. Shape the cured core material to receive the final restoration using diamond and carbide burs.

Wallingford, CT 06492 USA
tel: 203.265.7397

PENTRON® CLINICAL TECHNOLOGIES, LLC

CEpartner4U, 3951DB; 13. NL.
tel: +31 (0)6.516.536.26