

ProCore™ is a dual cure, core build-up material in a convenient automix dual cartridge. It is fluoride releasing to resist recurring caries, and it sets exceptionally hard. **ProCore™** is smooth, syringes with ease through fine tips and resists slumping. The off white color is easily distinguished from dentin but does not create shadows in crowns. **ProCore™** cures both chemically and by light. Complete chemical cure occurs in 9 minutes when used under crowns or copper bands. For rapid setting, **ProCore™** can be light cured through clear core forms for 40 seconds. It continues to chemical cure thereafter until the reaction is complete.

INSTRUCTIONS FOR USE

CURING INSTRUCTIONS:

Working Time: 3-1/2 minutes from beginning of mix.

Chemical Cure: 9 minutes from beginning of mix for complete chemical cure.

LightCure: 40 seconds. Chemical cure will continue until reaction is complete (9 minutes).

PHYSICAL VALUES:

Compressive strength 45,210 p.s.i. / 316 MPa

Tensile strength 7,635 p.s.i. / 53 MPa

Partical size of filler: Nominal size 3.6 microns

FLUORIDE RELEASE:

ProCore™ releases fluoride with an outburst that is then followed by a slow and sustained rate for years to come. The fluoride release after 10 days is 312 ppm; fluoride release from 21-28 days averages 35 ppm. There weight loss or change in physical properties of the ProCore™ is insignificant during this process.

FOR POST CORE BUILD UPS

1. Prepare root canal for a post and cement post into place.
2. Select a copper band or clear core form that fits snugly around the cervical area of the tooth.
3. Use an mixing gun and dispense ProCore™ materials and fill copper band or fill core form and place onto tooth.
5. If a transparent form is used, setting can be accelerated by light curing for 40 seconds. Chemical cure continues thereafter until reaction is complete. ProCore™ chemically cures without the use of a light in 9 minutes from being dispensed.

FOR TEETH WITH EXISTING CROWNS

1. If tooth is non-vital, prepare root canal for a post and cement post into place.
2. If tooth is vital, remove all caries, and in deep cavities, place cavity liner on pulpal floor. Place retention pins, if desired.
3. Check to make sure existing crown fits over post or pins.
4. Smooth inside of existing crown with bur and remove any undercuts. Place a separating medium or a thin film of vaseline or wax inside the crown.
5. Use an mixing gun and dispense ProCore™ materials and fill copper band or fill core form and place onto tooth. Place caps back on cartridge immediately after use.
6. Seat crown into position over the post or pins.
7. Remove excess material from the cervical line of the tooth and allow to chemical cure. Chemical cure is complete 8 minutes from beginning of mix.
8. Carefully remove crown and clean out separating medium.
9. Remove flash from cervical line of tooth and cement crown.

FOR RESTORING ENDODONTICALLY TREATED TEETH WITH SUPERSTRUCTURES STILL INTACT

1. Remove all root canal filling material from the chamber and partially remove from root canal(s).
2. If any sidewalls are missing, place a matrix band.
3. Use an mixing gun and dispense ProCore™ materials and fill the entire tooth with ProCore™ and allow to chemically cure, or light cure if appropriate. Place caps back on cartridge immediately after use.

CAUTION:

Federal law restricts this device to sale by or on the order of a dentist.

STORAGE INSTRUCTIONS:

Store in cool, dry place. Refrigeration is not required.