

## DIRECTIONS AND INDICATIONS FOR USE

The obturator has three components: the carrier, the stop, and the gutta percha.

The carrier has a color coded handle as a quality tool to visually verify the obturators size. The size is stamped on the carrier and identifies the diameter and taper of the obturator.

During a root canal procedure, an endodontist or clinician removes pulp from the pulp chamber of the tooth and shapes the canal. The canal is disinfected and the wall of the canal is sealed. The depth and diameter of the canal is gauged using a verifier. When the proper dimensions are determined, the proper obturator size is identified. The red silicone stop is used to give the endodontist a reference of the canal depth. The obturator is then heated to approximately 100°F where the gutta percha becomes malleable and is pressed into the tooth canal. When cool, the excess matter is removed. A crown or other restoration procedure is completed.

### Contraindications

- None Known

### Warnings

- None Known

### Adverse Reactions:

- Patients who have known latex sensitivity may experience allergic reactions to gutta percha.

### Precautions for Use

- Select the EdgeCore™ Obturator that matches the Size Verifier that fits passively to the working length. Do not use EdgeCore™ Obturator cores as size verifiers.
- Do not remove gutta-percha from the EdgeCore™ Obturator prior to placing it into the canal or you may damage the obturator.
- Note: EdgeCore™ does not need to be precurved. Precurving may damage the obturator.

### Shaping and cleaning

Successful endodontic treatment requires proper straight-line access, canal debridement, shaping, cleaning and obturation of the root canal. While EdgeCore™ is an easier obturation method and

decreases the time to obturate the root canal, it is imperative to properly prepare the canal before obturation.

### Obturator Selection

After proper shaping, cleaning, and disinfecting is complete and the working length is confirmed by radiograph and/or apex locator, the proper obturator is selected by using the Size Verifiers.

Select the EdgeCore™ Obturator the same size as the Size Verifier that fits passively to the working length. Use the millimeter markings on the Size Verifiers to ensure it is at the appropriate length. In most cases the Size Verifier will match the largest file taken to the working length. But occasionally it may be found that the Size Verifier that fits best to the working length is a size smaller or larger than the largest file taken to the working length. You should choose the obturator that matches the Size Verifier that fits best to the working length.

### Disinfection

Disinfect the obturator in 5.25% sodium hypochlorite solution (bleach) for one minute. Rinse the obturator in 70% sterilized isopropyl alcohol. Dry the obturator for about 10 seconds on a clean surface to allow the alcohol to evaporate.

### Sealer

Use a noneugenol-type sealer like AH26.

### Drying the Canal and Applying Sealer

Use sterile paper points to completely dry the canal before you apply the sealer. With the canal dry, coat the new dry paper point or file with sealer and brush a very light layer of sealer onto the canal walls to the working length. Then dry the canal with another new dry paper point to remove excess sealer. EdgeCore™ will obturate the root canal space with a dense, homogeneous, three-dimensional filling; therefore excessive sealer is not needed or desirable.

### Obturing the Canals

Place the EdgeCore™ Obturator in your any and all Tulsa Dental ThermaFil ovens or SoftCore ovens. Start the oven, select the button that matches the obturator, wait, then after the first beep”, remove the



carrier from the oven and insert the carrier directly into the canal with a smooth, slow motion. Fill one canal at a time. Note: If you use a GuttaCore oven you need to let it beep twice before removing it.

**Removing the GuttaCore™ Shaft and Handle**

Stabilize the carrier with your fingers then use a blunt instrument like spoon excavator or plugger and push the instrument against the shaft at the orifice. The shaft is designed to separate as it is brittle at that point. Use a plugger to compact the obturator in the coronal orifice. Discard the handles and shaft in an appropriate biohazard container.

**Removing Excess Gutta-Percha**

Use a spoon excavator to remove any excess gutta-percha in the chamber or other canals. Repeat all of the above steps on each canal of a multi-rooted tooth.

**Storage**

Store at room temperature of 10°C~37.8°C, away from any sunlight.

**Creating Easy Post Space**

Post space is made using traditional methods as if standard gutta percha were in the canal by using Gates Glidden bur, your favorite post space bur, or the bur you normally use to create post space.

**Removing GuttaCore™ Obturation Materials**

Like making post space, retreatment is accomplished using traditional methods for removing obturation material. When removing the obturation material for retreatment purposes, remove the coronal 1/3 of material with a Gates-Glidden bur or other coronal shapers. Then in the presence of solvent, use rotary files in a crown-down method to slowly remove the obturation material. Rinse with solvent after each instrument. In the apical 1/3 of the canal use hand instruments with solvent to soften and remove the obturation material.