



INSTRUCTION FOR USE
ApexSil
Root canal radiopaque sealing material
Epoxide paste-paste system

PURPOSE

DSI ApexSil is a highly radiopaque, 2-component root canal filler, delivered in two tubes. The components are diepoxide, zirconium oxide, amine hardening agents, plasticizer and colour pigment.

INDICATIONS

- Permanent obturation of root canals of teeth in combination with root canal points
- May be used with gutta-percha, silver and titanium points

FEATURES

DSI ApexSil is characterised by excellent mechanical properties, high radiopacity, good dentine/root canal walls adhesion, combined with the low polymerization shrinkage, and solubility, and, not least a strong bactericidal effect.

Working time (at the room temperature) – 4 hours.

Hardening time (inside canal) – 24 hours.

After setting, the result is an inert amino polymer with good adhesion, low solubility and has no toxic effect on the tissues.

The root canal is now effectively and hermetically sealed.

DIRECTION FOR USE

1. Paste from both tubes is mixed in a 1:1 ratio on a glass plate or a mixing pad until the homogenously tinted mass is formed.
2. For the **Gutta Master Technique**:
 - a. Select gutta-percha point/reamer of the proper size to wet the canal
 - b. Inject in small portions into the prepared sterile and dry canal using the Lentulo carrier at the low rotation speed to avoid the appearance of the air bubbles.
 - c. Withdraw slowly still running on the low speed.
 - d. "Dip" sterile and dry master point in the paste and insert to the canal with a slow pumping motion.
3. At the **standard gutta-percha** or other root canal points technique:

- a. when most of the canal is obturated by endodontic point material, apply a light coating of sealer with a paper point or file onto the canal walls to the working length.
 - b. If needed, apply a coating of sealer onto the surface of the root canal point.
 - c. Insert the points by following the standard procedure.
4. Do not place too much sealer to prevent overfilling. For condensation and warm gutta-percha obturation techniques apply only a thin coating of sealer onto the canal walls.

CONTRAINDICATIONS

The material contains epoxy resins and amines which may be irritating to skin, eyes and oral mucosa and may cause allergic contact dermatitis in susceptible persons. Avoid skin/eye contact. Try to avoid prolonged contact with oral soft tissues and mucosa to prevent inflammation. If accidental contact occurs, remove the material and flush the affected area with plenty of water.

PACKAGING

Paste(tube)	2x4ml
Mixing pad	1pcs

STORAGE

Store in a dry place (humidity < 50%) **at the room temperature** (+5°C...+30°C)
Tightly close the tube with the cap **immediately** after use. Don't interchange the caps between the tubes to prevent triggering of the hardening process.

Avoid contact with moisture and direct sunlight! Return to box after use.

Keep out of reach of children.

Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.

The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product.

Responsibility for the use of the material for purposes other than those specified by the manufacturer, the user's responsibility.

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