AH 26
AH 26 silver-free

Root Canal Sealing and Filling Materials

AH 26 powder and resin are mixed to produce a root canal filling material of excellent sealing capacity. As a result of its close adaptation to the root canal walls and its very small contraction during setting, AH 26 allows tightly sealing root canal obturation of excellent tissue compatibility.

AH 26 complies with the requirements of ISO 6876:1986 (E) for dental root canal filling materials.

COMPOSITION
AH 26, powder: Bismuth oxide, Methenamine, Silver, Titanium dioxide
AH 26 silverfree, powder: Bismuth oxide, Methenamine
AH 26 resin: Epoxy resin

INDICATIONS
Permanent obturation of root canals of teeth of the secondary dentition with or without the aid of obturation points.

CONTRAINDICATION
Hypersensitivity against epoxy resins or other components of the root canal filling material.

WARNINGS
AH 26 and AH 26 silverfree contain epoxy resins which may cause sensitisation in susceptible persons. During the setting reaction of both materials, traces of formaldehyde are produced.

PRECAUTIONS
Do not use AH 26 and AH 26 silverfree in persons allergic to epoxy resins. Avoid contact of powder or resin and unset paste with skin or oral mucosa. After incidental contact, wash and rinse with plenty of water. Wear suitable gloves and protective glasses.

INTERACTIONS WITH OTHER DENTAL MATERIALS
AH 26 and AH 26 silverfree may react with hydrogen peroxide accidentally left in the root canal after irrigation.

ADVERSE REACTIONS
With sealers containing epoxy resins, the following adverse reactions were reported:
- Reversible acute inflammation of the oral mucosa after contact with the unset paste.
- In individual cases, local and systemic allergic reactions have been reported.
PREPARATION OF THE ROOT CANAL
Prior to application of AH 26, thoroughly clean the root canal.

If hydrogen peroxide has been used for irrigation, it is essential to make sure that the canal is free of any traces of rinsing solution. This is to avoid reaction of AH 26 with hydrogen peroxide which would result in the formation of bubbles.
If sodium hypochlorite and hydrogen peroxide are used alternatingly for canal irrigation, use hypochlorite as the last agent.

Thoroughly dry the root canal with sterile paper points.

DOSAGE AND MIXING
Powder and liquid are mixed on a glass slab using a metal spatula. 2 to 3 volume units of powder are mixed with 1 volume unit of resin. Mix to a homogeneous consistency which breaks when lifted 1.5 to 2.5 cm (1/2 to 1 inch) above the glass slab.

If a particularly fluid mix is required, the glass slab with the cement mixture may be carefully warmed over an alcohol flame.

STEP-BY-STEP INSTRUCTIONS
Apply the mixed cement onto the tip of a Lentulo spiral. To avoid the formation of air bubbles in the material and overdenture of the canal, advance the Lentulo spiral slowly to the apex running at very low speed. Withdraw Lentulo very slowly still running at low speed.

If AH 26 is used in combination with guttapercha points or other cores and if there is the risk of overfilling, use reamers to apply AH 26 into the canal. Choose a reamer of the size of the last instrument used during apical root canal preparation. Place AH 26 by a pumping action of the reamer with simultaneous rotary movement in a counterclock direction. It is only necessary to apply a light coating of AH 26.
Dip the disinfected and dry master point into AH 26 and with pumping motions slowly push it into the canals. Additional guttapercha points and lateral or vertical condensation methods can be applied.

Removal of Root Canal Filling
Once it has set, AH 26 cannot be removed with conventional solvents. If AH 26 was used in combination with guttapercha points, the root canal fillings can be removed using conventional techniques for the removal of guttapercha.

Cleaning of Instruments
Spatulas, mixing slabs and instruments should be cleaned immediately after use with alcohol or acetone.

Setting Time
The setting time according ISO 6876:1986 (E) ranges between 9 and 15 hours at 37 °C.

STORAGE
Store at room temperature.
Keep powder bottle and resin tube tightly closed.

**BATCH NUMBER AND EXPIRY DATE**
Do not use after expiry date.
The batch number should be quoted in all correspondence which requires identification of the product.

If you have any questions, please contact:
De Trey Division, Dentsply Limited, Hamm Moor Lane, Addlestone, Weybridge, Surrey KT15 2SE, ENGLAND, Phone 0932/853422
or
DENTSPLY DeTrey GmbH, De-Trey-Straße 1, D-78467 Konstanz, Phone: 07531/583-0

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