



Manufactured in U.S.A. by:

SCI-PHARM



Eugenone

Eugenol-Free Temporary Dental Cement
In Automix Dispensing System
Sci-Pharm Catalog No. 51-50

TECHNICAL BULLETIN Instructions

Eugenone

A Eugenol-Free Temporary Crown and Bridge Cement in Automix Dispensing System

INDICATIONS FOR USE:

A Zinc Oxide temporary crown and bridge cement/luting agent suitable for clinical situations where use of Eugenol-containing compositions would interfere with subsequent permanent resin cement curing.

CONTRAINDICATIONS:

Not for direct pulp capping. Use a calcium hydroxide-type base prior to cement use. May cause skin irritation.

KIT CONTAINS:

- Cement, 14g (2 x 7g Automix Dispensers)
- 12 Static Mixers
- Accessories & Instructions

Cat. No. 51-50



OUTSTANDING FEATURES OF THE MATERIAL

- Easy and time savings application
- Easy handling and excess removal
- Low irritation potential
- Compatible with all commercially available permanent cements

PHYSICAL PROPERTIES

CHARACTERISTICS OF THE MATERIAL	
Property	Performance
Water Solubility	<2.5%
Film Thickness	Below 15 μ
Compressive Strength	Meets A.D.A. Specification (>35 MPa)
Working time at 23°C (73°F)	Min. 90 secs.
Setting Time at Body Temperature	Max. 5 mins.

CAUTION

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

GENERAL INFORMATION

Eugenone® is a Eugenol-free zinc oxide cement developed for use as a temporary luting agent. Its physical properties and handling characteristics were optimized for providing adequate working time, ease of placement and cleaning, and reliable performance. A new dispensing system allows for time savings, elimination of errors in material handling, and extending available working time.

Eugenone® bonds to dentin and metals strongly enough to prevent marginal leakage and loss of retention, yet it allows for trouble-free removal. Post-operative discomfort is minimized by the biocompatibility of this cement.

Eugenone® is especially well-suited for use in patients with Eugenol sensitivity.

Eugenone® does not contain Eugenol. It was formulated for compatibility with all permanent crown and bridge cements presently in use.

APPLICATION

In case of direct pulp exposure, use a calcium hydroxide-type base to cap the pulp.

As with all synthetic cements which are hydrophobic by nature, it is imperative to disinfect and dry the preparation before cementing. The presence of moisture may result in inferior retention, possibility of microbial contamination, and post-operative sensitivity. Unless counter-indicated for the reason of proximity to the pulp, the removal of the smear layer prior to cementing will further contribute to enhanced retention and greater integrity of the tooth/cement interface.

Treatment of the abutment for 30 seconds with antimicrobial solutions such as 2% sodium hypochlorite (NaOCl)* contributes to a lower incidence of post-operative sensitivity and prevents occasional abutment discoloration and odor caused by microbial growth. On sensitive teeth and for patients with no known allergic reaction, sodium hypochlorite may be substituted with Erythromycin. Treatment with antimicrobial agents should be preceded by impression taking and followed by rinsing and drying.

*2% solution of sodium hypochlorite may be prepared by diluting 5% hypochlorite bleach with water in a 4:6 ratio.

INSTRUCTIONS FOR CEMENTING

1. Remove cap after turning it 90 degrees counter-clockwise, then install static mixer and lock it by turning clockwise.
2. Dispense desired amount of cement by gently pressing the handle and spread it evenly in a thin layer inside the crown.
3. Set the crown firmly. After 60 seconds, trim excess.
4. Remove static mixer after turning it counter-clockwise. Pull back handle slightly to avoid cross-contamination of the contents of two chambers, replace cap and lock it by turning clockwise.

Eugenone® allows working time of 60 seconds at a room temperature of approximately 73°F (23°C). Full cure will occur within approximately 5 minutes after the material is exposed to body temperature. It should be remembered that working and setting times are temperature dependent, being longer at lower temperatures and shorter at higher temperatures.

HELPFUL HINTS

1. If desired, bonding strength to dentin may be reduced by applying a very thin layer of Vaseline over abutment (this procedure is especially recommended for tight-fitting temporary restorations). If the restoration is intended to be recemented, the releasing agent should also be applied inside the restoration, in order to facilitate cleaning.
2. Occasionally, black stains may be observed on the abutment prepared for permanent cementation. They may be easily removed with a 2% hydrogen peroxide solution.

STORAGE AND SHELF-LIFE

Store at temperatures not exceeding 73°F (23°C). When stored under such conditions, the material has a shelf-life of eighteen months. Refrigerate when the material is not in use (for example, overnight and on weekends). Do not freeze. For easier handling, remove from refrigeration 15 minutes prior to use.



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