



Manufactured in U.S.A. by:

**SCI-PHARM**®

Sci-Pharm Catalog No. 51-40

**NEOZOE**®

Zinc Oxide/ Eugenol Temporary Crown and Bridge Cement in Automix Dispensing System

### TECHNICAL BULLETIN Instructions

# NEOZOE®

A novel form of zinc oxide/eugenol temporary cement  
in automix dispensing system

#### KIT CONTAINS:

- 12g of cement in two automix dispensers
- 12 Static mixers
- Accessories



### OUTSTANDING FEATURES OF THE MATERIALS

- Excellent handling
- Easy excess cement removal before cure
- Consistent curing characteristics
- Convenient dispensing system eliminates need for mixing and errors in proportioning while allowing for longer working time
- Low film thickness of below 15 microns

### PROPERTIES OF THE MATERIAL

- Water Solubility: <1%
- Film Thickness: Below 15  $\mu$
- Compressive Strength: Meets ADA Specification (<35 MPa)
- Working Time: 90 sec minimum
- Setting Time: 5 min maximum

#### STORAGE:

Store at temperatures not exceeding 73°F (23°C). When stored under such conditions, the material has a shelf life of eighteen months. Do not freeze.

#### CAUTION

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

### GENERAL INFORMATION

NeoZoe® is a zinc oxide eugenol 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.

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

### GENERAL COMMENTS

The use of Zinc Oxide/Eugenol cement is not indicated in cases where resin cements are intended to be used for permanent attachment of the dental prosthesis, as Eugenol may inhibit their curing process. In such situations, the use of Zinc Oxide/Non Eugenol, or resin based temporary cements is recommended.

\*Some individuals might experience an allergic reaction to Eugenol.

### INSTRUCTIONS FOR CEMENTING

1. Remove cap after turning it 90 degrees counterclockwise, install static mixer and lock 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. Remove static mixer after turning it counterclockwise. Pull back handle slightly to avoid
4. cross-contamination of the contents of the two chambers, replace cap and lock it by turning clockwise.

NeoZoe® allows a working time of 90 seconds at 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 Hint:

**Occasionally, before first use or after prolonged non-use, the operator may experience difficulty with dispensing the material due to adherence of the pistons to the syringe barrel walls. Pulling back slightly on the handle restores smooth movement of the pistons, facilitating controlled dispensing of the cement.**

*For technical information, call or write:*



*Quality Management System Certified to*

**ISO 9001 and ISO 13485**

**CE Marked Products**

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