



Manufactured in U.S.A. by:

**SCI-PHARM**®

Sci-Pharm Catalog No. 51-25  
Crown and Bridge Cement

**TECHNICAL BULLETIN**  
Instructions

**CEMPER**®

A Resin-Based Permanent Crown and Bridge Cement

Cat. No. 51-25

**KIT CONTAINS:**

- Cat. No. 51-251 Cement, Part A, 10g
- Cat. No. 51-252 Cement, Part B, 10g
- Cat. No. 51-253 Dentin Sealer, 14cc
- Accessories & Instructions



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**OUTSTANDING FEATURES  
OF THE MATERIAL**

- Excellent handling characteristics
- Good reproducibility and control of working time
- Low film thickness
- High mechanical strength
- Low irritation potential
- Good adherence to tooth structure and dental prosthesis materials
- Excellent resistance to oral environment
- X-Ray opacity

**GENERAL INFORMATION**

*Cemper*® is a polymer-based material specifically developed for use as a permanent luting agent. Its physical properties and handling characteristics were optimized for providing adequate working time, ease of placement and cleaning, and reliable performance.

*Cemper*® bonds to dentin and metals strongly enough to prevent marginal leakage and loss of retention. Biocompatibility of this cement is expected to minimize post-operative discomfort.

*Cemper*® features a unique two-stage curing mechanism. In the first stage, the material achieves a consistency hard enough to hold the restoration in place, while providing additional 60-80 seconds for easy removal of the excess. Final set will occur in approximately two minutes after the material is placed in the mouth.

**CAUTION**

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

PHYSICAL PROPERTIES	
Compressive Strength	15,000 psi
Film Thickness	15 $\mu$
Water Solubility	Negligible
Minimum Working Time at 23°C (73°F)	140 sec.
Maximum Setting Time at 23°C (73°F)	300 sec.

*The working time will be shorter and setting time faster at higher temperatures and correspondingly longer and slower at lower temperatures.*

### APPLICATION

Prepare the abutment for cementing in a conventional manner. In case of direct pulp exposure, use a calcium hydroxide-type base to cap the pulp.

On teeth that may be sensitive, or in proximity to the pulp, the use of *Cemper*® *Dentin Sealer* is indicated. The sealer will provide an additional measure of protection to the pulp by sealing dentin tubulae. Prior to cementing, apply the sealer over the exposed dentin only and dry with a gentle stream of air (preferably warm). Remove any sealer inadvertently applied over the enamel margins with a bur. Etching of such margins, followed by rinsing and drying, will improve bonding of the cement to the abutment.

*It is imperative to dry the tooth surface before cementing. The presence of moisture may result in inferior retention and post-operative sensitivity.*

### INSTRUCTIONS FOR CEMENTING

1. Dispense approximately equal amounts of Part A and Part B pastes onto a mixing pad.
2. Spatulate pastes thoroughly for 10 to 15 seconds.
3. Spread a thin layer of cement inside crown and set crown firmly.
4. After 1 minute, trim excess.

### HELPFUL HINTS

1. *Cemper*® is not compatible with zinc oxide/eugenol type temporary cements. If such cement has been used, clean the preparation thoroughly before cementing permanent restorations.

*For temporary cementation we strongly recommend the use of Scientific Pharmaceuticals' Until® , Teledyne's Neo-Temp™, or Temrex's Interface™. Cemper® is fully compatible with these products.*

2. When cured on a pad, a very thin layer of soft unpolymerized material is left on the surface exposed to air. This layer should not be confused with a failure of the cement to cure. This phenomenon is not observed under a crown because there is no exposure to polymerization-inhibiting oxygen.

### STORAGE AND SHELF-LIFE

Store at temperatures not exceeding 23°C (73°F). 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). When cold, the material has a stiffer consistency. For easier handling, remove from refrigeration at least 15 minutes prior to use.

*For technical information, call or write:*



*Quality Management System Certified to*

**ISO 9001 and ISO 13485**

**CE Marked Products**

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