



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 μ
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

SCIENTIFIC PHARMACEUTICALS, INC.

3221 PRODUCER WAY • POMONA, CALIFORNIA USA 91768

PHONE: (800) 634-3047 • (909) 595-9922

FAX: (909) 595-0331 • E-MAIL: scipharm@msn.com

WEBSITE: <http://www.scipharm.com>