

# DENTIN CONDITIONER

## Polyacrylic Acid-Type

Sci-Pharm Catalog No. 70-08

### KIT CONTAINS:

- Dentin Conditioner, 15cc

### INDICATIONS FOR USE:

For use in preparing dentin surfaces prior to bonding or cementing, polyacrylic acid type.

### CONTRAINDICATIONS:

There are no contraindications.

### **CAUTION: Mildly acidic.**

### OUTSTANDING FEATURES OF THE MATERIAL

- Removes smear layer and impurities from the dentin surface without opening dentin tubulae.
- Enhances bonding strength of Glass Ionomer, Resin, and Zinc Phosphate cements to dentin; helps prevent marginal leakage.
- Fast and economical to use.

### INSTRUCTIONS FOR USE

The preparation of the abutment for cementing leaves a smear layer which, according to popular consensus, should be removed prior to cementation. The presence of the smear layer during cementation procedures is considered undesirable because it is contaminated with micro-organisms and because it may contribute to a loss of retention.

The reason that smear layer removal was, up to now, a controversial procedure, was the use of wrong, often irritating, materials for this purpose. It is generally agreed that removal of the smear layer would be desirable in all clinical situations if the dentin tubules remained closed. If such condition is met, retention could be improved, and the possibility of infection from bacteria left in the smear layer would be virtually eliminated, without increasing tooth sensitivity. Proper removal of the smear layer would also allow for a more precise definition of the cement with respect to the tooth structure.

Scientific Pharmaceuticals' *Dentin Conditioner* was especially formulated to allow the clinician to remove the smear layer without opening the dentin tubules. It is easy and fast to use and highly recommended in cases where providing adequate prosthesis retention may present a problem.

**METHOD OF APPLICATION**

1. The tooth surface should be dry and free of visible debris.
2. Apply Sci-Pharm Dentin Conditioner with a cotton pledget. Gently scrub surface for 15 - 20 seconds, rinse well with water and dry.
3. The conditioned tooth is now ready for cementing.

**Helpful Hint:** On vital teeth in proximity to the pulp, the use of Scientific Pharmaceuticals' *Universal Cavity Varnish* (Cat. No. 70-03), *CuRAY® Dentin/Enamel Primer* (Cat. No.50-121) or *Fluoroseal® Cavity Liner* (Cat. No. 75-03) is strongly recommended after removal of the smear layer.

**SHELF-LIFE AND STORAGE**

The shelf-life of the material is 2 years when stored at temperatures between 83°F (30°C) and 15°F (-10°C).



**Qarad EC - REP BV**  
Pas 257  
2440 Geel  
Belgium

For technical information, call or write:

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**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](mailto:scipharm@msn.com)  
WEBSITE: <http://www.scipharm.com>