



Manufactured in U.S.A. by:

# SCI-PHARM



**Light-Cured Fissure Sealer  
and Bonding Agent**  
Sci-Pharm Catalog Nos. 54-01 & 56-01

## TECHNICAL BULLETIN Instructions

### Light-Cured Fissure Sealer and Bonding Agent

#### CAT. NO. 54-01 (CLEAR) KIT CONTAINS:

- Cat. No. 54-011: Two Bottles of Sealer (Clear), 6cc each
- Cat. No. 50-065: Enamel Conditioner, 13cc
- Mixing Wells
- Disposable Brushes & Handle

#### CAUTION

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



Cat. No. 54-01

#### CAT. NO. 56-01 (OPAQUE) KIT CONTAINS:

- Cat. No. 56-011: Two Bottles of Sealer (Opaque), 6cc each
- Cat. No. 50-065: Enamel Conditioner, 13cc
- Mixing Wells
- Disposable Brushes & Handle

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## OUTSTANDING FEATURES OF THE MATERIAL

#### INDICATIONS FOR USE:

Recommended for use as a Bonding Agent (Clear version) to improve adaption of composite restoratives to cavity margins and to provide "adhesive" Class IV restorations. Also for use as a Pit and Fissure Sealer (Opaque version) in a caries prevention program.

#### CONTRAINDICATIONS:

This product should not be used where patients have known hypersensitivity to methacrylate monomers. Do not apply on very sensitive teeth.

#### CAUTION: Enamel Conditioner contains Phosphoric Acid.

- Low water sorption assures resistance to staining and durability in the oral environment
- Fast and easy to apply
- Shelf-life is two years; no refrigeration needed

#### PHYSICAL PROPERTIES

PHYSICAL PROPERTIES OF THE PRODUCT		
Property	Specification	Sci-Pharm Results
Working Time at 23°C (73°F)	**Not less than 40 seconds	100 seconds
Setting Time 37°C (98.6°F)	**Not more than 5 minutes	2.5 minutes

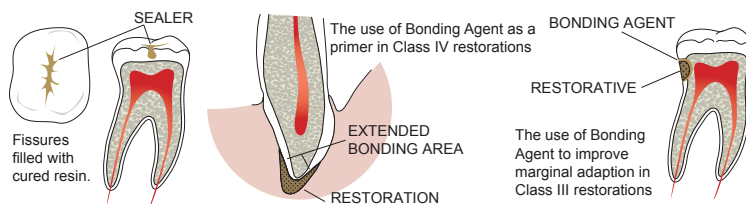
**NOTE:** Table results are based on ADA (\*) and ISO (\*\*) testing and specifications, with Optilux 500 curing light (by Demetron) or equivalent.

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## GENERAL INFORMATION

The use of fissure sealers for reducing the incidence of occlusal caries is well described in dental literature. The light-curing technique has made the application of sealers easier and more time efficient. Our Light-Cured Fissure Sealer and Bonding Agent represents an advanced formula that features low shrinkage, high stain resistance, low water sorption, outstanding depth of cure and long shelf-life with no need for refrigeration.



## INSTRUCTIONS FOR USE

1. After prophylaxis, wash and dry the tooth (teeth) and apply Enamel Conditioner with a mini sponge, brush, cotton pledget, or other kind of an applicator on enamel only. **Caution:** Avoid contact with soft tissue or exposed dentin. If accidental spill occurs, wash immediately.
2. Wait one minute. Wash the tooth and evacuate. Dry with oil-free air or any commercial dental drying agent. Properly conditioned (etched) teeth should have a dull, chalky appearance. Highly mineralized teeth may require an additional two minute etch to achieve this effect.

**If using the Opaque Sealer:** Before first use and before application if the material has not been used for more than one month, shake bottle well for approximately 15 seconds in order to ensure uniform dispersion of the opaquing pigment

3. Dispense sealer into a mixing well. With a brush, apply a thin layer over the dry, etched enamel. Apply enough material to fill the fissure without, however, interfering with the occlusion. Cure with any commercial light for 20 seconds when used as a fissure sealer or for 10 seconds when used as a bonding agent. **Important:** Maintain a dry field at all times during application and curing.
4. After the sealer sets, wipe the surface with a cotton pledget in order to remove the very thin film of uncured material remaining on the surface (the result of oxygen inhibition). Rinse and check the occlusion.

## HELPFUL HINTS

1. The sealer is easily visible under UV-light when the Clear (fluorescent) version is used. The Opaque version permits easy detection of the sealer under any examination light.
2. Re-examination every six months after application of Fissure Sealer is recommended. In order to reapply, polish the tooth with a sanding disc and apply sealer following the procedure described above.
3. When sealing fissures, preferably work with one quadrant at a time.

## STORAGE AND SHELF-LIFE

Store at temperatures not exceeding 75°F (24°C). When stored under such conditions, the material has a shelf-life of 2 years.



For technical information, call or write:

Quality Management System Certified to  
ISO 13485:2016



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