



Manufactured in U.S.A. by:

**SCI-PHARM**



Sci-Pharm Cat. No. 65-02  
Contact Cure  
Orthodontic Adhesive

## TECHNICAL BULLETIN

### Instructions

# P CURE-ON-TOUCH L<sup>®</sup>

#### KIT CONTAINS\*

- Cat. No. 65-021, Primer - 14g
- Cat. No. 65-022, Adhesive - 15g
- Cat. No. 65-023, Enamel Conditioner - 9g
- Accessories & Instructions

\* All kit components are also available separately.



## OUTSTANDING FEATURES OF THE MATERIAL

- Strong, reliable bond
- Mistake-proof cure-on-touch system: fast and easy to use
- Economical in application
- Color stable

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### CAUTION

### GENERAL INFORMATION

Direct bonding has become a well-recognized procedure in orthodontics and a valuable alternative to the older banding technique. Although not as universal as the latter, in many situations it offers valuable advantages to the clinician and patient, including chair-time savings and improved esthetics and comfort. The main problem with direct bonding has been, perhaps, the reliability of the adhesives and the limited time within which the clinician had to operate. The principle reason for adhesive failures, apart from unsatisfactory properties of the materials, was that brackets were applied to the teeth too long after mixing; i.e., after the adhesive started to set. Our "Cure-On-Touch" Orthodontic Adhesive gives the operator the convenience and security of virtually unlimited working time. This no-mix system reduces the possibility of errors and eliminates the sources of inconsistencies found in the performance of common self-cure adhesives. The application is extremely simple and fast, resulting in substantial chair-time savings. Delayed cure permits the operator to correct the positions of the brackets up to 20 seconds after placement. Only 4 minutes after placement the brackets are ready for wire attachment.

The most important characteristics of the materials are given in the table below.

### PROPERTIES OF THE MATERIAL

PROPERTY	PERFORMANCE
Bonding Strength to Enamel	Above 1100 psi (70.3 kg/cm <sup>2</sup> )
Bonding Strength to Metal Brackets*	
Narrow Twin	12 - 15 lb. (5.5 - 6.8 kg)
Medium Twin	18 - 25 lb. (8.2 - 11.4 kg)
Wide Twin	25 - 30 lb. (11.4 - 13.6 kg)
Curing Time	40 - 60 seconds at body temperature
Discoloration	Meets Requirements of A.D.A. Spec. #27
*Depends on the design and size of the bracket bases	

### INSTRUCTIONS FOR USE

- 1. Prophylaxis.** Thoroughly clean teeth to be bonded with an oil- and fluoride-free prophylaxis paste. Take care not to irritate the gingival tissue as this may cause bleeding and contamination of the bonding area.
- 2. Rinse and Dry.** Rinse thoroughly with water, isolate the teeth, and dry.
- 3. Etch.** Dispense one or two drops of Enamel Conditioner onto mixing pad, and apply with a brush or foam pellet (mini-sponge) applicator onto teeth to be bonded. Etch for 45 - 60 seconds. Do not allow acid to contact soft tissue or inter-proximal areas.
- 4. Rinse and Dry.** Flush teeth thoroughly with water to remove all traces of acid. Re-isolate and completely air dry teeth to be bonded. Do not allow patient to rinse or permit etched enamel to contact saliva. After drying, etched areas should appear chalky white; in some instances re-etching is required to achieve this effect.
- 5. Application of the Primer\*.** Apply a thin coat of Primer to the base of bracket and prepared tooth surface with a brush.
- 6. Application of Adhesive.** Apply a small amount of Adhesive paste directly on bracket base.
- 7. Bracket Placement.** Press bracket with a slight rotation action on primed tooth surface. Correct the position of the bracket on the tooth no later than 20 seconds after bracket placement.
- 8. Wire Placement.** Arch wires may be placed just 4 minutes after last bracket is bonded.

**CAUTION:** Enamel Conditioner contains phosphoric acid. Avoid contact with skin, eyes, or soft tissue. In case of contact, flush with water. Get medical attention if eyes are affected. Adhesive and Activator: Avoid prolonged or repeated contact with skin. Wash with soap and water after contact.

\* If plastic brackets are used, follow bracket manufacturer's recommendation for conditioning of bracket base surface before bonding. In most instances, the use of Sci-Pharm's plastic bracket primer (Cat. No. 60-016) will assure good bond to the bracket base.

### HELPFUL HINTS

1. Rebonding, if necessary, requires removal of all remaining adhesive from tooth. Repeat the entire bonding procedure as outlined above.
2. If longer than 20 seconds adjustment time is required, the paste should be taken out of the refrigerator just prior to use.

### STORAGE AND SHELF-LIFE

Store at temperatures not exceeding 73°F (23°C). 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 stiff consistency. For easier handling, remove from refrigerator at least 15 minutes prior to use.

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: [scipharma@msn.com](mailto:scipharma@msn.com)

WEBSITE: [www.scipharma.com](http://www.scipharma.com)