



Manufactured in U.S.A. by:

# SCI-PHARM®

## TEMPO-REX®

Temporary/Intermediate  
Restorative, Light-Cured  
Sci-Pharm Catalog No. 50-60

### TECHNICAL BULLETIN Instructions

# TEMPO-REX®

#### KIT CONTAINS:

- Cat. No. 50-601: Restorative, 18g, Universal Shade\* (4 Syringes, 4.5g each)
- Cat. No. 71-03: Dentin Sealer, 6cc
- Cat. No. 55-305: *Fluoroseal*® Cavity Liner, 7g
- Accessories and Instructions

\*Additional shades are also available separately.

#### INDICATIONS FOR USE:

For use as a resin-based temporary/intermediate light-cured restorative. Compatible with permanent restoratives and cements.

#### CONTRAINDICATIONS:

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

**CAUTION: Dentin sealer contains flammable solvent.**

Cat. No. 50-60



### OUTSTANDING FEATURES OF THE MATERIAL

- Easy to apply; fast cure
- Outstanding depth of cure
- Reliable performance
- Good mechanical strength and wear resistance allows for extended service time of up to six months, when desirable
- Good biocompatibility - shares same basic chemistry with light-cured cavity liners
- Easy removal
- Compatible with all known permanent restoratives and cements
- Long shelf-life with no need for refrigeration
- Versatility in use. Also suitable for making temporary inlays and onlays, endodontic stopping, and emergency temporization

#### GENERAL INFORMATION

Thanks to its higher wear resistance, higher mechanical strength and better resistance to oral fluids, *Tempo-Rex*® offers more reliable performance and, if desired, substantially longer service time when compared to temporary restoratives of prior art.

*Tempo-Rex*® is less technique-sensitive than the most popular saliva-cured temporary restoratives. Consequently, its properties after cure are predictable, reproducible, and remain unchanged during its claimed shelf-life.

*Tempo-Rex*® is also more versatile than other temporary restoratives, allowing a broader scope of use, as described in this brochure. In developing *Tempo-Rex*®, a balance was reached between achieving good wear resistance and mechanical strength, while still allowing for easy removal. *Tempo-Rex*® is compatible with all permanent restorative materials and cements and will not inhibit their cure or negatively affect properties.

The outstanding depth of cure of *Tempo-Rex*® allows for fast application. It hardens instantly so the patient does not have to wait until the material adequately cures before being allowed to eat.

#### CAUTION

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

## PHYSICAL PROPERTIES

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Property	Sci-Pharm Composite
Compressive Strength, After Cure	10,000 PSI
Diametral Tensile Strength, After Cure	1,500 PSI
Water Solubility, After Cure (tested according to ANSI/ADA Spec. #8)	Below .1%
Depth of Cure	Up to 10mm (40 secs.)*
*The depth of cure may vary, to some degree, depending on the intensity of light emitted from the instrument. When operating lights of lower quality (or older instruments whose intensity has not been checked in over three months), curing in layers of not more than 5mm is recommended.	

## INSTRUCTIONS FOR USE

1. Prepare cavity in conventional manner (only minimal preparation is necessary). In case of direct pulp exposure, apply calcium hydroxide-type base prior to placing restorative.
2. In cases of near exposure, or to strengthen the cavity floor, place a thin (approximately 1mm) layer of *Fluoroseal*<sup>®</sup> Cavity Liner (included in the kit) over the bottom of the cavity. Light cure for 30 seconds. Keep the tip of the light as close to the cured material as possible.
3. On sensitive teeth, place a thin layer of Dentin Sealer (included in the kit) over exposed dentin and cure by blowing dry, preferably warm, air for approximately 40 seconds
4. Place and cure restorative in the same manner as permanent light-cured restoratives. When operating a high-quality instrument emitting high intensity light, cure for 40 seconds for restorations up to 6mm deep, and for 60 seconds for depths up to 10mm. In case of weaker light sources, or when cure to greater depth is desired, the restorative should be applied in more than one layer (preferably not thicker than 5mm per layer).
5. Adjust occlusion. No waiting time is required before starting adjustment.

*Tempo-Rex<sup>®</sup> may easily be removed with a bur before placing the permanent restorative.*

## HELPFUL HINTS

- Treatment of cavity with solutions of anti-bacterial agents (such as chlorhexidine gluconate) contributes to a lower incidence rate of post-operative tooth sensitivity.
- *Tempo-Rex<sup>®</sup>* is packaged in a syringe with a snap-off cap. Dispense the material by turning the screw clockwise. Slow turning is recommended in order to avoid waste. Remove the material dispensed at the tip of the syringe and turn back the screw (counterclockwise) in order to suck back the excess. Replace the cap.

OTHER RECOMMENDED APPLICATIONS FOR *TEMPO-REX<sup>®</sup>*

- Endodontic stopping
- Preparation of temporary crowns, inlays and onlays (using clear crown forms or free-hand technique)

## 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.

## SHADES AVAILABLE AS INDIVIDUAL ITEMS

- Catalog No. 50-601: Restorative, Universal Shade, 4.5g
- Catalog No. 50-602: Restorative, Yellow/Brown Shade, 4.5g
- Catalog No. 50-603: Restorative, Gray/Brown Shade, 4.5g



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For technical information, call or write:

Quality Management System Certified to  
**ISO 13485:2016**



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