SCI-PHARM®

TECHNICAL BULLETIN
Instructions

SCI-SPAN®

Temporary Crown & Bridge Material, Fluorescent

INDICATIONS FOR USE:

For use in fabrication of temporary crowns, bridges, inlays and on-lays until the permanent restoration can be placed. Contains no Eugenol. Compatible with self-cured and light-cured resin-based materials for cementing and making repairs.

CONTRAINDICATIONS:

This product should not be used where patients have known hypersensitivity to methacrylate monomers. Do not apply to very sensitive teeth. For direct pulp exposure use a Calcium Hydroxide base to cap the pulp.

Cat. No. 58-03

KIT CONTAINS:

- Material in Dual Barrel Cartridge, 50cc
- 15 Static Mixers

Sci-Span® Kits Also Available:

- Cat. No. 58-01: Shade A3 Kit
- Cat. No. 58-02: Shade A1/B1 Kit
- Cat. No. 58-04: Shade C2 Kit
- Cat. No. 58-05: Shade Extra White Kit

U.S. Patent 9,028,254 Japan Patent 4344946
U.K. Patent GB2427864 German Patent 10 2005 036 637

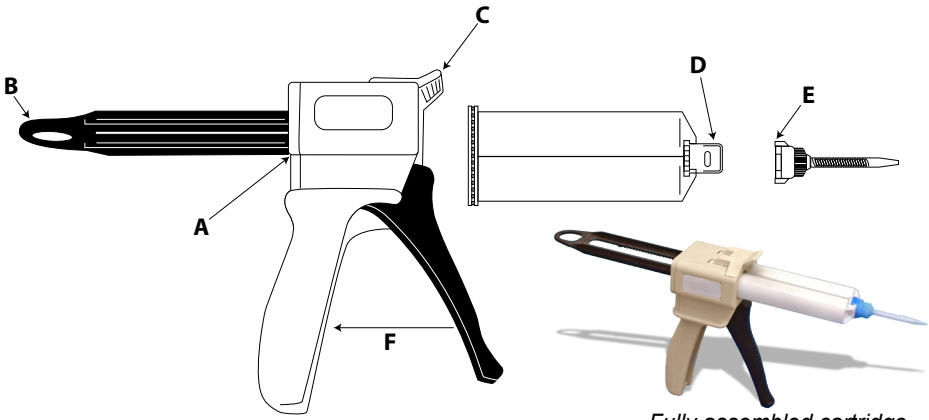
OUTSTANDING FEATURES OF THE MATERIAL

- Transient flexibility, resulting from two step cure, facilitates handling
- Convenient and consistent working and curing times
- Increased resistance to impacts; very good mechanical properties
- Fluorescence assures good aesthetics in all lighting conditions – natural and artificial
- Excellent polishability; minimal oxygen inhibited (smear) layer

INSTRUCTIONS FOR USE

I. ASSEMBLING THE CARTRIDGE SYSTEM

1. Push up the small lever (A) in back of the applicator. Make sure plunger slide (B) is pulled back completely into the applicator.
2. Lift lever (C) on top of the syringe and insert cartridge. Note: Notch on bottom of the cartridge aligns with the notch on the applicator. Push down firmly on lever (C) to lock in cartridge.
3. Before attaching static mixer, remove cartridge cap (D) by turning 90° counter-clockwise; pull and remove it.
4. Line up the notch on the static mixer (E) with the corresponding notch on the cartridge. Push it onto the cartridge and turn it clockwise 90° until it locks into position.
5. The material is dispensed through the static mixer by pressing the trigger (F) of the dispenser.



Fully assembled cartridge

II. APPLICATION

Sci-Span ® is a proprietary self-cure resin based composition designed for easy fabrication of temporary crowns and bridges. It sets in two stages to allow for ease of handling. It is compatible with self-cured and light-cured resin-based materials for making repairs. *Sci-Span* ® features excellent polishability, impact resistance, good aesthetics in any lighting condition and is radiopaque.

1. Take a pre-operative impression, using Polysiloxane or alginate impression material. Interdental excess should be trimmed from the impression. Cut away additional impression material to alter the shape and thickness of the provisional prosthesis, if so indicated.

2. When constructing a temporary bridge, the pontic area should be removed from the impression.

When using a cartridge for the first time, purge a small amount of material onto a mixing pad to ensure that both base and catalyst pastes will be extruded equally. Discard the purged amount.

3. Prepare the abutment teeth.
4. Blow dry impression and fill with *Sci-Span*®. Always fill from the bottom up. After the matrix is approximately ¾ full (this should be done within 40 seconds) place it in the patient's mouth.
5. Allow *Sci-Span*® to set undisturbed for 90 seconds.
6. After approximately 100 – 120 seconds remove the matrix from mouth. At that stage, the material will be somewhat flexible and will pull over any undercuts or non-parallel preparations. The material will fully cure in 3 additional minutes.
7. Remove cured prosthesis from matrix and trim excess flash with crown and bridge scissors or diamond bur. Remove smear layer on the surface (if any) by wiping with a cloth moistened with alcohol.
8. If some mesial or distal trimming is indicated, use a fine grit diamond bur.
9. Polish, if desired, preferably using pumice or corundum filled polishing paste.
10. Cement the temporary prosthesis with a non-Eugenol temporary cement.

III. REMOVAL OF CARTRIDGE

1. Push up lever (A) and pull back the plunger slide (B).
2. Lift lever (C) on top of applicator and remove cartridge.

IV. SMALL REPAIRS OR CORRECTIONS

1. Rinse and air-dry the prosthesis.
2. Gently roughen the area to be repaired with a diamond bur.
3. Blow dry to remove surface powder, then wipe clean with alcohol. Apply on affected areas light or self-cured resin (such as Scientific Pharmaceuticals' Cat. No. 54-01 or 50-01) and cure as recommended. Trim, grind and polish as needed.

TIME TABLE

Dispense Material into Matrix & Seat in Mouth	Allow to Set in Mouth	Remove from Mouth	Trimming & Finishing
40-50 secs.*	90-100 secs.	2 mins.	3-4 mins.
*Depending on ambient temperature.			

ADDITIONAL USES

For retaining gingival cord in place before taking impressions.

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 two years. Refrigerate when not in use (for example, overnight and on weekends). When cold, the material has a stiffer consistency. For easier handling, remove from refrigerator at least 15 minutes prior to use.

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For technical information, call or write:

SCI-PHARM®

Quality Management System Certified to

ISO 13485:2016

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