



Manufactured in U.S.A. by:

SCI-PHARM[®]

SUPPORT[®]

Core Build-Up Material, Self-Cured
Sci-Pharm Catalog Nos. 50-09,
51-09 & 52-09

TECHNICAL BULLETIN

Instructions

SUPPORT[®]

INDICATIONS FOR USE:

For use in the build-up of teeth lacking sufficient coronal structure prior to placement of crowns or bridges and for cementing pins and posts.

CONTRAINDICATIONS:

This product should not be used where patients have known hypersensitivity to methacrylate monomers.

Cat. No. 50-09

KIT CONTAINS:

- Cat. No. 50-091: Part A Restorative, Contrast, 12g
- Cat. No. 50-092: Part A Restorative, Natural, 3g
- Cat. No. 50-093: Part B Restorative, 15g
- Cat. No. 50-096: Thinning Resin, 2.5g
- Accessories and Instructions



Cat. No. 52-09

KIT CONTAINS:

- Cat. No. 52-091: Part A Restorative, Natural, 25g
- Cat. No. 50-193: Part B Restorative, 25g
- Accessories and Instructions



Cat. No. 51-09

KIT CONTAINS:

- Cat. No. 51-091: Part A Restorative, Contrast, 25g
- Cat. No. 50-193: Part B Restorative, Contrast, 25g



OUTSTANDING FEATURES OF THE MATERIAL

- Easy mixing; sufficient working time
- Two shades: one contrasting for ease of distinguishing from tooth structure, the other tooth-colored for use under shell crowns
- Moldable, non-sticky, yet adhesive consistency
- Contains moderately hard filler for easier carving and shaping
- X-ray opaque
- Versatile in use

PHYSICAL PROPERTIES

PHYSICAL PROPERTIES OF THE PRODUCT		
Property	Specification	Sci-Pharm Results
Ambient Light Sensitivity	**Not less than 60 s	Not determined
Compressive Strength	No specification	248 MPa (36,000 PSI)
pH	No specification	Neutral
Resistance to Acid (pH 3)	No specification	Excellent
Resistance to Alkaline (pH 10)	No specification	Excellent
Water Extractables/Polymeric Shrinkage (7 days, 37°C)	No specification	0.02 mg/cm ²
Working Time at 23°C (73°F)	**Not less than 60 seconds	140 seconds
Setting Time 37°C (98.6°F)	**Not more than 10 minutes	4.5 minutes

NOTE: Table results are based on ADA (*) and ISO (**) testing and specifications.

CAUTION

GENERAL INSTRUCTIONS

Support[®] may be used without pins or screw posts or in conjunction with them if their use is deemed desirable or necessary at the discretion of the clinician.

1. Dispense approximately equal amounts of Part A (in either contrast or natural shade) and Part B pastes onto a mixing pad using opposite ends of a spatula; mix together 20-30 seconds until a uniform blend is obtained. If desired, a lighter consistency mix may be obtained by adding Thinning Resin. Such dilution will not significantly affect the curing characteristics of the restorative. A more fluid consistency is especially desirable for cementing posts.
2. Place the paste mixture onto the prepared tooth and shape using plastic or metal instruments, or place into a crown form which is then placed onto the tooth. The working time at 23°C (73°F) is 140 seconds. If desired, longer working time may be achieved by mixing the pastes just after removal from the refrigerator.
3. Removal of crown forms (if used) and final shaping and finishing may start three minutes after *Support*[®] is placed on the tooth.
4. The color of the contrast shade Part A paste and the opacity of the natural shade Part A paste ensure that the cured *Support*[®] material is easily distinguishable from the tooth structure.

CAUTION: As with all composite materials, *Support*[®] is not compatible with Zinc Oxide/Eugenol-type cements.

PROCEDURE FOR CEMENTING POSTS: Post selection, parallel-sided posts with an apical taper are preferred.

1. After the canal is cleaned, roughen the dentinal walls to increase retention. This may be accomplished, for example, with a #14 bur or Vident Filpost reamer. Engage facial and lingual areas of the root where there is thicker dentin. Insert and slowly rotate against walls and stop before removing. Rinse canal with alcohol to remove any debris and residual Eugenol which may inhibit setting of the cement.
2. Dry canal thoroughly. Mix *Support*[®] (diluted to desired consistency) and place in the canal with a Lentulo-paste filler or Centrix long-tipped applicator.
3. Once canal is filled, wet the post threads with the Thinning Resin and passively cement the post.

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 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.



For technical information, call or write:

Quality Management System Certified to
ISO 13485:2016



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