



ALPHA-CORE[®] SC

CORE BUILD-UP
MATERIAL

SELF CURE



Description:

Alpha-Core[®] SC is a self-cure resin based hybrid composite formulated for core buildups. The material exhibits ideal mechanical properties with high compressive and tensile strength yet maintaining a dentin like feel when cutting. Its ideal handling characteristics allows the material to be placed with a syringe and depending on the shade of the base paste it can be used to match or contrast the tooth color.

Indications for Use:

- Core build-ups
- Cementation of pins and posts when used with suitable dentin adhesive.

Contraindications:

Alpha-Core[®] SC is contraindicated in patients with a history of severe allergic reaction to methacrylate resins.

Warnings:

- **Alpha-Core[®] SC** contains polymerizable methacrylate monomers. Avoid prolonged contact with skin, oral soft tissues and eyes. Avoid prolonged inhalation. Do not take internally.
- A suitable pulp/dentin protection is necessary to prevent pulp reactions.
- Do not use in the presence of eugenol based materials; complete setting may not take place.
- Be certain to avoid cross-contamination of the pastes. The presence of either paste in the other will result in hardening of the paste in the jars.
- Always replace lids tightly on their proper jars after each use.
- Never use a disposable spatula a second time. A used spatula would be a source of contamination.

General Precautions:

1. U.S. Federal law restricts this device to sale by or on the order of a dentist.
2. Review instructions and MSDS prior to beginning treatment. Use only as directed.

Adverse Reactions:

Allergic or pre-existing skin, eye and respiratory conditions may be aggravated by exposure to this product.

Instructions for use:

1. Isolate the tooth to be prepared by using either a rubber dam or cotton rolls.
2. Remove all existing restorations and decay from the tooth.
3. Etch the tooth using the Total Etch technique. Apply etchant to the prepared tooth. Etch enamel for 15 seconds or if applied to dentin etch for 10 seconds; never leave etchant on tooth for more than 60 seconds. Lightly agitating the etchant during its application can enhance its action.
4. Rinse thoroughly with water. Do not dry the surface. Remove excess water with a brief burst of air, leaving the dentin and enamel visibly moist.
5. Apply bonding agent according to manufacturers instructions.
6. Avoiding cross contamination of jars, dispense equal amounts of base and catalyst paste on mixing pad with spatula. Rapidly spatulate the pastes into a uniform mix, approximately 20-30 seconds.
7. Apply freshly mixed material to the tooth in one of the two ways immediately after mixing:
 - a. By the syringe technique (syringe not supplied): Back load material into a syringe tip, filling syringe only 1/2 full, insert the plug into the syringe tip, and dispense with slow and steady pressure keeping the tip at the base of the preparation allowing the material to rise around the tip to eliminate air bubbles.
 - b. The use of hand instruments to place material onto the tooth structure.
8. Finish **Alpha-Core[®] SC** material when fully set (4 to 5 minutes).
9. Working time of this material is approximately 2-1/2 minutes, measured from the start of mixing at 22°C/72°F. Manipulation of **Alpha-Core[®] SC** material once the material has begun to gel will endanger the quality of the restoration. Material will harden 3 to 3-1/2 minutes after the start of mixing.

Storage:

- Refrigeration is recommended. Store material between 2°C/36°F to 27°C/80°F, bringing to room temperature before using (22°C/72°F). Lower temperatures will increase the setting time and viscosity. Do not freeze. See outer package for expiration date.
- Keep containers closed when not in use.