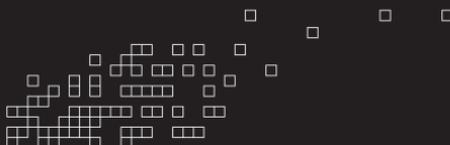




# ALPHA-CORE® DC

CORE BUILD-UP MATERIAL



DUAL CURE



0459

#### Description:

**ALPHA-CORE® DC** is a highly filled radiopaque, dual cure resin based composite core build-up material. The material exhibits ideal mechanical properties with high compressive and tensile strength yet maintaining a dentin like feel when cutting. Because of its automix package design and handling characteristics, **ALPHA-CORE® DC** can be placed directly without the need for manual mixing. Being dual cure you can shorten the setting time if desired by light curing or allow to set chemically without the need for layering. The radiopaque formula is available in three shades: a natural shade (A2) for use under ceramic crowns or contrasting tooth shades in either blue or white to distinguish core material from the tooth structure.

#### Indications for Use:

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

#### Contraindications:

**ALPHA-CORE® DC** is contraindicated in patients with a history of severe allergic reaction to methacrylate resins.

#### Warnings:



- A suitable pulp/dentin protection is necessary to prevent pulp reactions.
- Do not use in the presence of eugenol based materials as complete setting may not occur.

#### 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 **Alpha-Etch37®** 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. We recommend the use of **Alpha-Bond®** Adhesive with Activator.
6. Select the desired shade and place appropriate cartridge into the Type 25ml Applicator gun.
7. 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 voids. If desired for more accurate placement, an inter-oral tip can be inserted onto the open end of the mixing tip.
8. **ALPHA-CORE® DC** has a 1 minute 30 second working time and 5 minute total setting time if used as a self cure material. If used as a light cure material and cured for 40 seconds (minimum output of 600 mw/cm<sup>2</sup>) you can expect a maximum depth of cure to be 4mm. A thin layer (<=2mm) needs to be cured for only 20 seconds (minimum output of 600 mw/cm<sup>2</sup>).
9. Finish **ALPHA-CORE® DC** when fully set.

#### Cartridge Assembling

1. Make sure that the plunger slide is pulled back completely. This can be accomplished by pushing up the small lever below the plunger slide while pulling back the plunger slide.
2. Lift the plastic lever on the top of the gun and insert the cartridge, making sure that the notch on the bottom of the cartridge aligns with the notch on the applicator gun. Push down firmly on the lever to lock cartridge into place.
3. Remove the cartridge cap by rotating the cap 90° and then pulling.
4. Place the mixing tip onto the cartridge by aligning the notch on the mixing tip with the corresponding notch on the cartridge. Once aligned, push the mixing tip onto the cartridge and rotate the mixing tip until it locks into position (90°).

#### Storage:



Recommended storage conditions are between 2°C/36°F to 27°C/80°F, bringing to room temperature before using (22°C/72°F). Do not freeze. Lower temperatures will increase the setting time and viscosity. See outer package for expiration date.

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