



ALPHA-CORE™ DC

DUAL CURE CORE BUILD UP MATERIAL

ALPHA-CORE™ DC PROVIDES ↓

- RADIOPAQUE
- DUAL CURE
- AUTOMIX CARTRIDGE
- IDEAL MECHANICAL PROPERTIES
- NATURAL (A2) AND BLUE SHADES



DUAL CURE CORE BUILD UP MATERIAL

Alpha-Core™ DC is a highly filled radiopaque, dual cure resin based composite core build up material in an automix cartridge. The material is designed specifically for core build-ups and cementation of posts and pins. 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 for direct placement of the material with Intra Oral tips.

Alpha-Core™ DC is available in two shades: a Natural Shade (A2) for use under ceramic crowns and Blue Shade to distinguish core material from the tooth structure.

Physical/ Mechanical Properties

Working Time (Blue Shade) at 23 °C, seconds	110
Working Time (Natural Shade) at 23 °C, seconds	110
Setting Time (Blue Shade) at 37 °C, seconds	135
Setting Time (Natural Shade) at 37 °C, seconds	135
Depth of Cure (Blue Shade) at 20 sec., mm/2	1.6
Depth of Cure (Blue Shade) at 40 sec., mm/2	1.9
Depth of Cure (Natural Shade) at 20 sec., mm/2	2.0
Depth of Cure (Natural Shade) at 40 sec., mm/2	2.6
Flexural Strength, MPa	143
Diametral Tensile Strength, MPa	39
Compressive Strength, MPa	296
Water Sorption, µg/mm³	17.7
Water Solubility, µg/mm³	1.8
Radio-opacity, compared to 1 mm thick Aluminum	1.0

ALPHA-CORE™ DC	
REF122.0003.002 NATURAL KIT	
REF122.0004.002 BLUE KIT	
KIT CONTAINS:	
■ 50g CARTRIDGE	
■ 10 AUTOMIX TIPS	
■ 10 INTRA ORAL TIPS	

DENTAL TECHNOLOGIES, INC.

6901 N. HAMLIN AVENUE
LINCOLNWOOD, ILLINOIS 60712 USA

1.800.835.0885 TOLL FREE [US/CANADA]
1.847.677.5500 PHONE
1.847.677.5502 FAX