

TECHNICAL DATA SHEET

Product:	Alpha-Bond® Acetone-Based Bonding Adhesive
Product Description:	Alpha-Bond® Single Component Light-Cure Bonding Adhesive with <u>Dual Cure Activator</u> (purchased separately) is formulated to bond to multiple substrates for both direct and indirect bonding procedures. It contains the hydrophilic monomer PMGDM that allows penetration into the tubules, intertubules, and peritubular dentin. This bonding adhesive offers you the flexibility and confidence you need in a bonding adhesive. For a single step light cure adhesive, use the bottle marked bonding adhesive. By combining the dual cure activator with the adhesive, you can confidently bond to self-cure composites and areas inaccessible to light.
Indications for Use:	Direct Bonding of L/C Composite Resins and Compomers Veneers Composite, Ceramic and Metal repairs Indirect restorations: inlays, onlays, crown and bridge retainers Endodontic post cementation Direct Bonding of Self Cure Composites and Core Build-up Materials
Appearance:	Pale-yellow, clear liquid.
Curing Mechanism:	Light cured by applying an external energy activated Dental Blue Light with a minimum output of 600 mW/cm ² and wavelength of 400 to 500 nanometers. Dual cured by mixing adhesive and activator in a 2:1 ratio.
Shelf-Life:	18 months
Filler Type:	Not Applicable
Main Composition (%w/w):	
Component:	% w/w
Photoinitiator	< 1
Acetone	< 60
Ethanol	< 10
Methacrylate Monomer	< 15
Adhesive Monomer	< 30
Physical /Mechanical Properties:	
Bond Strength to Dentin, MPa:	24.80

Regulatory Classification:

This product is in conformity with the following standard(s) or other normative documents:

International Standard ISO/TS 11405:2015 Dental Materials – Testing of Adhesion to Tooth Structure.

Code of Federal Regulations CFR 21 Part 820 – Medical Device for Quality System Regulation.

Code of Federal Regulations CFR 21 Part 872.3200 – Resin Tooth Bonding Agent.