

TECHNICAL DATA SHEET

- Product:** Alpha-Dent® Light Cure Bracket Bonding Resin
- Product Description:** Alpha-Dent® Light Cure Bracket Bonding Adhesive is a single paste resin-based, fluoride containing bracket adhesive. The single paste adhesive requires no mixing; resulting in reducing adhesive waste, consistent adhesive performance and no working time constraints.
- Indications for Use:** Alpha-Dent® Light Cure Bracket Adhesive is an orthodontic adhesive designed to bond metal, ceramic, and plastic brackets to enamel.
- Appearance:** Clear, pale-yellow liquid.
- Curing Mechanism:** Light cured by applying an external energy activated Dental Blue with a minimum output of 600 mW/cm² and wavelength of 400 to 500 nanometers.
- Shelf-Life:** 36 months
- Filler Type:** None

Main Composition (%w/w):

Blend of methacrylate monomers	< 99.5
Photoinitiator	< 1
Polymerization Inhibitor	< 1

Physical /Mechanical Properties:

Specific Gravity	1.10
Depth of Cure, mm	8.0
Bracket-enamel bond strength, MPa	12.0

Regulatory Classification:

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

European Standard EN 1641: 2009, Dentistry – Medical devices for dentistry – Materials
Code of Federal Regulations CFR 21 Part 820 – Medical Device Quality System Regulation
Code of Federal Regulations CFR 21 Part 872.3200 – Resin tooth bonding agent