

# TECHNICAL DATA SHEET

**Product:** Alpha-Dent® Light Cure Pit & Fissure Sealant

**Product Description:** Alpha-Dent® Light Cure Pit & Fissure Sealant is a hard-setting, wear-resistant material having an ideal flowable viscosity for maximum coverage and protection to seal pits and fissures of teeth susceptible to caries. The unfilled, resin-based material fights against recurring caries.

**Indications for Use:** For sealing pits and fissures on teeth showing no decayed lesions.

**Appearance:** A medium viscosity, white, opaque liquid.

**Curing Mechanism:** Light-cured by applying an external energy activated Dental Blue Light with a minimum output of 600 mW/cm<sup>2</sup> and wavelength of 400 to 500 nanometers.

**Shelf-Life:** 30 months

**Filler Type:** None

**Main Composition (%w/w):**

<b>Components:</b>	<b>% w/w</b>
Bis-GMA	13 – 33
Diluent comonomers	62 – 82
Adhesive monomer	< 10
Photoinitiator	< 1
Stabilizer	< 1

**Physical /Mechanical Properties: (Typical Values):**

Appearance	White opaque liquid
Depth of cure mm/40 sec.	1.6