

# TECHNICAL DATA SHEET

<b>Product:</b>	Alpha-Dent® Light Cure Bonding Adhesive	
<b>Product Description:</b>	Alpha-Dent® Light Cure Bonding Adhesive is a versatile adhesive that is fast and easy to apply, and offers excellent bond strengths to dentin and enamel.	
<b>Indications for Use:</b>	Alpha-Dent® Light Cure Bonding Adhesive is a dental adhesive designed to bond light cured composite restorative materials to enamel and dentin.	
<b>Appearance:</b>	A low-viscosity liquid with color ranging from clear colorless to clear pale yellow.	
<b>Curing Mechanism:</b>	Light cured by applying an external energy activated Dental Blue Light with minimum output 600mW/cm <sup>2</sup> and 400 to 500 nanometers.	
<b>Shelf-Life:</b>	30 months	
<b>Filler Type:</b>	None	
<b>Main Composition (%w/w):</b>		
	Bis-GMA	18 – 28
	Comonomers	60 – 80
	Adhesive Monomer	< 5
	Photoinitiator	< 1
	Stabilizer	< 1
<b>Physical /Mechanical Properties: (Typical Values)</b>		
	Depth of Cure, mm (actual)	6.0
	Bond Strength to Dentin, MPa	15
	Bond Strength to Enamel, MPa	19.9