

TECHNICAL DATA SHEET

Product:	Alpha-Dent [®] Self Cure Bonding Adhesive	
Product Description:	Alpha-Dent [®] Self Cure Bonding Adhesive is a versatile adhesive that is fast and easy to apply, and offers excellent bond strengths to dentin and enamel.	
Indications for Use:	Alpha-Dent [®] Self Cure Bonding Adhesive is designed for bonding composite restorative materials to enamel and dentin.	
Appearance:	Clear colorless to pale-orange viscous liquid.	
Curing Mechanism:	Self cured by mixing base and catalyst together in a 1:1 ratio.	
Shelf-Life:	48 months	
Filler Type:	None	
Main Composition (%w/w):		
	Methacrylate Monomers	60 – 80
	Bis-GMA	15 – 35
	Adhesive Monomer	< 10
	Accelerator	< 5
	Initiator	< 5
	Stabilizer	< 1
Physical /Mechanical Properties:		
	Working Time at 23 °C, seconds	35
	Setting Time at 37 °C, seconds	60
	Bond Strength to Dentin, MPa	15
	Bond Strength to Enamel, MPa	25