

HP 250

Description:	High performance epoxy with high shear strength and impact toughness for structural assembly applications.			
Intended Use:	Bonds metals, FRP/SMC composites, phenolics, stainless steel, aluminum, vinyl esters, nylon, PVC, PC, styrenics, wood, and rigid plastics.			
Features:	Non-corrosive with outstanding chemical resistance. Excellent salt spray durability.			
Typical Physical	Fechnical data should be considered representative or typical only and should not be used for specification purposes.			
Properties:	Cured 7 Days @ 75°F (24°C) Adhesive Lap Shear (GBS) Dielectric Strength Impact Resistance Hardness Service Temperature Solids by Volume Specific Volume Tensile Elongation T-Peel Uncured Properties @ 72°F (23°C) Color Working Time Fixture Time Functional Cure Full Cure Mix Ratio by Volume Mix Ratio by Weight Mixed Density	Straw 65 minutes 6 hours 24 hours 7 days 2:1 2.38:1	Standard Tests Lap Shear (GBS) ASTM D1002 Dielectric Strength ASTM D149 Shore Hardness ASTM D2240 Tensile Elongation ASTM D1876	
	Mixed Density Mixed Viscosity	9 lb/Gal (1.08 g/cm3) 105,000 cP		
Surface Preparation:	Clean surface by solvent-wiping any deposits of heavy grease, oil, dirt, or other contaminants. Surface can also be cleaned with industrial cleaning equipment such as vapor phase degreasers or hot aqueous baths. If working with metal, abrade or roughen the surface to significantly increase the microscopic bond area and increase the bond strength. Proper homogenous mixing of resin and hardener is essential for the curing and development of stated strengths.			
Mixing Instructions:	50 ML/400ML/490 ML CARTRIDGE		dispensing systems	
	 Attach cartridge to Mark V ™ or other General Purpose manual or pneumatic dispensing systems. Open tip. Burp cartridge by squeezing out some material until both sides are uniform (ensures no air bubbles are present du mixing). Attach mix nozzle to end of cartridge. Apply to substrate. 			
Application Instructions:	 Apply mixed epoxy directly to one surface in an even film or as a bead. Assemble with mating part within recommended working time. Apply firm pressure between mating parts to minimize any gap and ensure good contact (a small fillet of epoxy should flow out the edges to display adequate gap fill.) 			
	For very large gaps: 1. Apply epoxy to both surfaces.			

2. Spread to cover entire area OR make a bead pattern to allow flow throughout the joint.

Speed up cure: Allow parts to cure overnight at room temperature, followed with a 2 hour 176°F (80°C) post bake. Let bonded assemblies stand for recommended functional cure time prior to handling. CAPABILITIES: Can withstand processing forces Do not drop, shock load, or heavily load Storage: Store in a cool, dry place.				
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Compliances: None				
Chemical Chemical resistance is calculated with a 7 day, room temp, cure (30 day immersion) @ 75°F (24°C)	Chemical resistance is calculated with a 7 day, room temp. cure (30 day immersion) @ 75°F (24°C)			
Resistance: Acetic 10% (Dilute) Excellent Isopropanol Very Good				
Ammonia Excellent Mineral Spirits Excellent				
Cutting Oil Excellent Motor Oil Excellent				
Ethanol Very Good Sodium Hydroxide 10% Very Good				
Gasoline (Unleaded) Poor Sodium Hypochlorite Excellent				
Hydrochloric 10% Excellent Sulfuric 10% Very Good				
Precations: FOR INDUSTRIAL USE ONLY: Please refer to the appropriate <u>Saftey</u> <u>Data</u> <u>Sheet</u> prior to using this product.				
	ITW Performance Polymere will replace any material found to be defective. Recause the storage, handling and application of			
Warranty: ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application this material is beyond our control, we can accept no liability for the results obtained.				
Order Item No. Package Size	Itam Na — Daakaga Siza			
Information: 14315 50 mL cartridge	Item No. Package Size			
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