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NPR-3205

Super High Viscosity PVC Adhesive

NPR-3205 is a super high viscosity chemical resistant two-part epoxy system originally designed to bond flexible PVC materials to rigid thermoset polymers. Prior to the release of NPR-3205, bonding flexible PVC could only be achieved through solvent bonding or other more complex adhesive systems. This simple to use, chemically distinct epoxy system has no solvents and bonds to many differing substrates. NPR-3205 is hydrophobic, cures well underwater, and yields excellent peel and sheer strengths. It cures at ambient temperature. NPR-3205 may be utilized as either a thin film or as a filler-adhesive, the latter of which is useful for bonding uneven surfaces and in repairs of all types.

Typical Physical Properties

Property	Component A (Resin)	Component B (Hardener)
Color	Yellow	Amber
Odor	Slight	Slight Amine
Density (g/ml)	1.20 - 1.25	0.86 - 0.90
Viscosity 20 RPM @ 77°F (25°C), cPs	600,000	300,000
Flash Point (Closed Cup)	> 200°F (93°C)	> 200°F (93°C)

Mixture Properties

<i>Mix Ratio (Resin/Hardener)</i>	<i>1 to 1 by Volume</i>
Mixture Working Time	30 - 40 Minutes
Initial Cure Time	4 Hours
Complete Cure Time	24 Hours