

HumiSeal® 2E24 Toughened 5-Minute Epoxy Adhesive Technical Data Sheet

HumiSeal® 2E24 is an epoxy intended for low temperature or wet industrial bonding. This translucent, two-part, thixotropic system cures quickly at room temperature with low shrinkage. 2E24 develops tough, strong bonds to metals, phenolic plastics, polyesters, glass, glass fabrics, hardboards, products, ceramics, rubber, masonry, materials, and other construction materials while providing excellent insulation. HumiSeal® 2E24 is REACH and RoHS compliant.

APPLICATIONS	FEATURES	SUBSTRATES
Automotive	RoHS & REACH compliant	Metals
Plastic Bonding	Room Temperature Fast Cure	Plastics, Rubber
Electronics	Moisture Resistant	Glass, Ceramics
	Solvent Free	Construction Materials

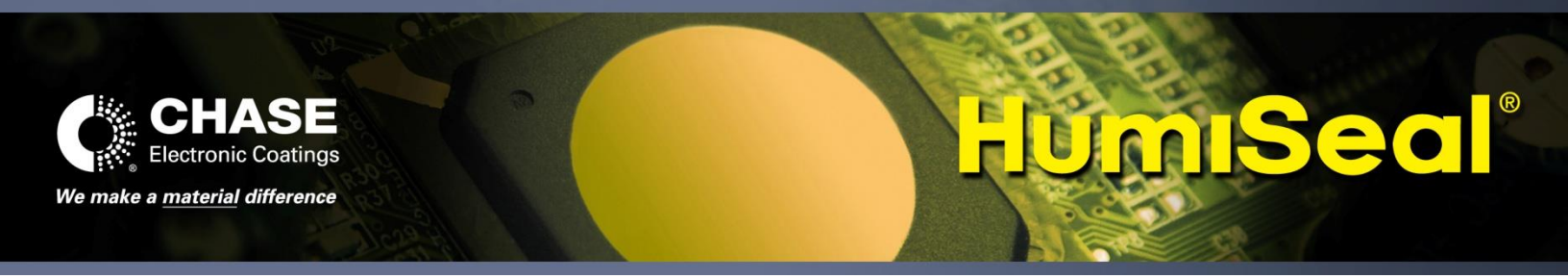
Properties of HumiSeal® 2E24

Chemical Class	Epoxy
Specific Gravity (Part A)	1.10
Specific Gravity (Part B)	1.10
Viscosity – Part A (cps)	100,000-500,000
Viscosity – Part B (cps)	20,000-100,000
Mix ratio (by volume)	1:1
Work Life (minutes)	5-7 min
Handling Time (minutes)	10
Appearance	Translucent
Shelf Life, DOM, stored at 18 +/-10 °C	12 months
Recommended Curing Conditions	1 – 6 hrs @ RT
Hardness, Shore D	85
Elongation at Break, %	100
Lap Shear Strength, AI/AI, PSI	> 1850
Ultimate Tensile Strength, PSI	>500
Operating Temperature Range	-40 to 125°C
Full Adhesion Properties	Following full cure
Clean-up Solvent	Isopropyl Alcohol

Storage
HumiSeal® 2E24 should be stored temperature below 25˚C in original unopened containers in tightly closed containers away from direct sunlight.

Caution
Application of HumiSeal® 2E24 should be carried out in accordance with local and National Health and Safety regulations. Use only in well-ventilated areas to avoid inhalation of vapor. Avoid contact with skin and eyes.

Consult SDS prior to use.



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