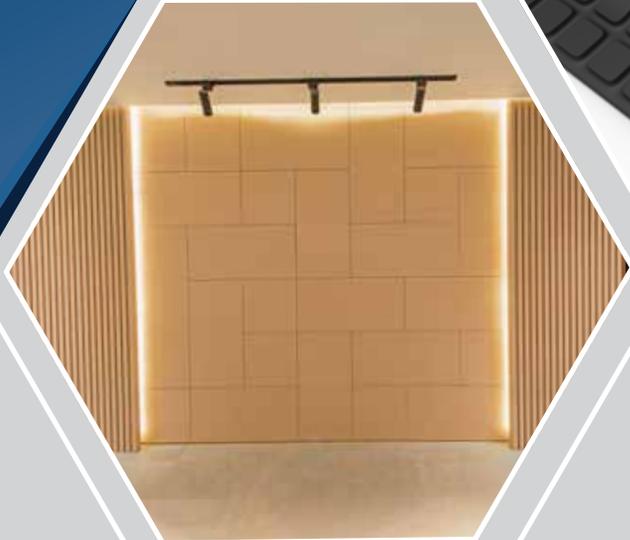


STRUCTURAL ADHESIVES

Polyurethanes and Epoxy Resins





PANEL BONDING Adhesives

R1003/H5002: Low Viscosity Epoxy

- ◆ Low viscosity, filled epoxy system
- ◆ Free-flowing and nonabrasive
- ◆ Develops excellent structural bonds
- ◆ Performs well in temperatures ranging from -53°C to 121°C
- ◆ **Applications include:** insulated panels

RM2000: Moisture-Cure Polyurethane

- ◆ Single-component, moisture-cure polyurethane
- ◆ Moderate viscosity and a 20 to 30 minute work time
- ◆ Bonds well to a variety of substrates, including: PVC, rubber matting, aluminum and steel
- ◆ Develops ample green strength within hours of application
- ◆ **Applications include:** insulated doors, insulated panels and automotive floor cover bonding

RM2001: 100% Solids Moisture-Cure Polyurethane

- ◆ Single-component, 100% solids moisture-cure polyurethane
- ◆ Work time of 2 to 3 hours followed by a rapid cure, enabling a quick turn-over of presses
- ◆ **Applications include:** insulated doors and insulated panels

S7044-02: Unfilled Epoxy

- ◆ 2-component, unfilled epoxy
- ◆ Retains significant room-temperature strength at 93°C, as well as -54°C
- ◆ Minimal affect to cured adhesive by exposure to 100%RH
- ◆ Convenient mix ratio and moderate temperature-curing schedule to develop optimum properties
- ◆ Blue part-A and yellow part-B, resulting in a green mixed product for confirmation of proper mix
- ◆ Designed to meet ASTM E-1794 requirements
- ◆ **Applications include:** military shelter panels and insulated panels

S7179-02: Semi-Flexible Epoxy

- ◆ 2-component epoxy
- ◆ Semi-flexible in a thin film with a 2-hour cure time
- ◆ **Applications include:** bonding of foam insulated steel doors and other panel bonding

S7399: Fast-Cure Polyurethane

- ◆ 2-component polyurethane
- ◆ Fast cure at elevated temperatures
- ◆ 2:1 volumetric mix ratio
- ◆ **Applications include:** Great adhesion to a variety of substrates, including flame treated HDPE, galvanized steel, painted steel and painted aluminum

S7600: Low Viscosity Epoxy

- ◆ 2-component epoxy
- ◆ Low mixed viscosity and long pot life
- ◆ 1:1 volumetric mix ratio compatible, with gravity-fed dispense equipment
- ◆ **Applications include:** repair of delaminated shipping containers



GENERAL PURPOSE Adhesives

S7045: Fast-Cure Epoxy

- ◆ 2-component epoxy
- ◆ 1:1 mix ratio and fast cure
- ◆ Good adhesion to a variety of substrates
- ◆ **Applications include:** field repairs for wood, metal, plastic and concrete substrates

S7068: High-Strength Epoxy

- ◆ 2-component, high-strength structural epoxy
- ◆ Good peel strength and no sag in a 3/8 inch bead
- ◆ Extremely good adhesion to most SMC formulations with little or no surface preparation
- ◆ **Applications include:** FRP bonding to itself or primed metals

S7237: High Tensile Strength Epoxy

- ◆ 2-component epoxy
- ◆ 1:1 volumetric mix ratio
- ◆ Excellent for applications requiring high tensile, shear and adhesion strengths
- ◆ **Applications include:** golf club manufacturing

S7333-02: No-Sag Epoxy

- ◆ 2-component epoxy
- ◆ Non-sag paste that cures to rigid high-strength polymers
- ◆ **Applications include:** engineered beams and joists

S7375: Medium-Viscosity Epoxy

- ◆ 2-component epoxy
- ◆ 1:1 volumetric mix ratio
- ◆ Bonds many substrates, including: wood, metal, glass and concrete
- ◆ **Applications include:** engineered beams and joists

S7454: Water-Resistant Epoxy

- ◆ 2-component, moderately-thixotropic epoxy
- ◆ Superior adhesion, strength and water resistance
- ◆ 1:1 volumetric mix ratio with a long pot life and fast cure
- ◆ Excellent initial grab, ideal for vertical seam sealing
- ◆ **Applications include:** structural bonding, fillers & repairs

S7470: Light Paste Polyurethane

- ◆ 2-component polyurethane
- ◆ Light paste consistency
- ◆ 1:1 volumetric mix ratio
- ◆ Superior adhesion to a variety of metal and plastic substrates
- ◆ **Applications include:** electronics assembly, vertical seam sealing and other general adhesive applications

S7511: Versatile Polyurethane

- ◆ 2-component polyurethane
- ◆ 1:1 volumetric mix ratio
- ◆ Superior adhesion to a variety of substrates, including: many plastics and metals
- ◆ **Applications include:** automotive and outdoor lighting, filter end cap adhesives, outdoor sporting equipment and other general adhesive applications

S7629: Coating & Adhesive Polyurethane

- ◆ 2-component polyurethane adhesive/coating system
- ◆ Superior bond to TPU substrates
- ◆ Moderate viscosity and slow reactivity
- ◆ 3:2 volumetric mix ratio
- ◆ Tough and flexible material that also provides protection to the bonded substrate
- ◆ **Applications include:** non-slip flooring



ELECTRICALLY CONDUCTIVE Adhesives

0113: Single-Component Silver-Filled Epoxy

- ◆ Single-component, silver-filled epoxy
- ◆ Excellent electrical conductivity and easy application
- ◆ Stored and shipped frozen to ensure dispersion of silver filler
- ◆ **Applications include:** circuit board bonding, RF sensor bonding

S7023: 2-Component Silver-Filled Epoxy

- ◆ 2-component, silver-filled epoxy
- ◆ Excellent electrical conductivity and superior bond strength
- ◆ 1:1 mix ratio, 2-hour pot life and room-temperature cure
- ◆ **Applications include:** circuit board bonding, RF sensor bonding

S7509: Static-Dissipating Epoxy

- ◆ 2-component epoxy
- ◆ Slightly electrically conductive in order to dissipate static charge
- ◆ **Applications include:** fuel filters and fine-particle dust filters

S7615: Static-Dissipating Polyurethane

- ◆ 2-component polyurethane
- ◆ Designed to dissipate static charge
- ◆ Fast gel time and rapid hardness
- ◆ Excellent chemical resistance at ambient and elevated temperatures
- ◆ **Applications include:** fuel filters and fine-particle dust filters

ABOUT EPIC RESINS

An established leader in epoxy and polyurethane technologies for industry.

Founded in 1958, Epic Resins has earned an international reputation as a leading formulator, manufacturer and supplier of epoxy resin and polyurethane solutions. Our philosophy is based on listening to your needs and developing quality solutions to meet your challenges. We built our company on technology-proven chemistry and a wealth of market and application knowledge. This guarantees you consistent products and maximum value.



MISSION: Epic Resins is committed to serving our global customers as a most trusted partner in superior quality resins and polymers to enhance their profitability and performance.

WE BELIEVE IN:

Customer Relationships

Value our customers and listen to their needs. Strive to make our customers' lives easier. Develop relationships that make a positive difference in our customers' success. Deliver beyond expectations.

Quality

Commit to excellence every day. Satisfy our customers' needs with superior products, innovative technology and outstanding service, that when combined, deliver exceptional value to our customers.

Responsibility

Act with uncompromising honesty and integrity in everything we do for ourselves and our customers. Work smart and take care of our team in order to ensure sustainability and success.



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Contact the Technical Sales Staff at Epic Resins today!

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