Advanced Materials

Aerospace Materials for Production, Maintenance and Repair Applications

Selector Guide
**Araldite® 252 Syntactic**
Low-density epoxy syntactic for edge fill and core-reinforcing applications. Offers increased compressive strength and higher service temperature.
- Flame retardant
- Gap filling
- Good sanding and machining properties
- Room temperature cure
- Light blue color

**Araldite® AV 8504/TDT 177-27 Adhesive**
Epoxy adhesive that produces very strong bond lines on a variety of substrates. Well suited for panel pin bonding.
- Fast setting
- Quick cure
- Meter/mix dispensable
- Black color

**Araldite® 1570 FST A/B Adhesive**
Self-extinguishing, halogen-free epoxy adhesive designed for PE foam-to-phenolic GRP bonding in cargo areas.
- Flame retardant
- Extrudable paste
- Dark grey color

**CG 1305 A/B Syntactic**
High-strength epoxy syntactic suitable for panel bonding, reinforcing high-stress areas in honeycomb and potting applications.
- Flame retardant
- Pourable
- Room temperature cure
- Off-white color

**Epibond® 100 A/B Adhesive**
Structural epoxy adhesive suitable for interior applications. Excellent for CFRP bonding.
- Good chemical and environmental resistance
- Service temperature up to 350°F
- Dry/wet Tg
- Very high lap shear strength
- Off white color

**Epibond® 420 A/B Adhesive**
Highly-versatile epoxy adhesive suitable for a wide variety of metal, honeycomb and composite bonding applications where exceptional toughness and resilience are required.
- Room temperature cure
- Durable
- Toughened
- Blue-green color
Epibond® 1544 Series of Adhesives
Low-flow, gap-filling epoxy adhesives available in three different hardener configurations, two gel times and three colors. Develops early green strength and is designed for joining dissimilar materials including plastics, metals and composite laminates used in aircraft interiors.
- Flame retardant
- Semi-paste
- Off-white, beige and white colors

Epibond® 1559-1 A/B Adhesive
Fast-setting epoxy adhesive suitable for component bonding.
- Flame retardant (self-extinguishing)
- Handling strength in ten mins
- Cures to the touch after one hour at 77°F
- Grey color

Epibond® 8000 FR A/B Adhesive
Flame-retardant, structural epoxy adhesive suitable for interior applications.
- Good chemical and environmental resistance
- Nano toughened
- High lap shear strength
- UV stable
- Off white color

Epocast® 50 A1/946 Laminating System
Fast-setting, high-strength epoxy laminating system for the manufacture and repair of composite structures.
- Flame retardant
- Unfilled
- Amber color

Epocast® 50 A1/9816 Laminating System
High-strength epoxy laminating system for the manufacture and repair of composite structures.
- Flame retardant
- Unfilled
- Amber color

Epocast® 52 A/B Laminating System
High-temperature, moderate-viscosity epoxy laminating system. Designed for repairing graphite and fiberglass composite components.
- Good hot/wet performance
- Excellent chemical resistance
- Cures quickly at temperatures between 150°F (65°C) - 200°F (93°C)
- Blue color

Epocast® 1617 A/B Syntactic
Low-density, high-strength epoxy syntactic suitable for edge fill and core reinforcing applications.
- Flame retardant
- Paste
- Room temperature cure
- Off-white color

Epocast® 1618 D/B Syntactic
Low-density, extrudable epoxy syntactic suitable for insert potting, bonding, panel forming and edge fill/close out of honeycomb materials.
- Flame retardant
- Increased compressive strength
- Fast setting
- Room temperature cure
- Off-white color

Epocast® 1622 FST A/B Syntactic
Low-density, fast-setting epoxy syntactic suitable for insert potting, bonding, panel forming and edge fill/close out of honeycomb structures.
- Meets FST requirements
- Extrudable/non sag
- Increased compressive strength at elevated temperatures
- Room temperature cure
- White color

Epocast® 1628 A/B Syntactic
Ultra-low density epoxy syntactic for edge fill and core reinforcing applications.
- Flame retardant
- Extrudable
- Good sanding and machining properties
- Room temperature cure
- Pale yellow color

Epocast® 1629 A/B Syntactic
Ultra-low density epoxy syntactic for edge fill and core reinforcing applications.
- Flame retardant
- Easy to apply
- Good sanding and machining properties
- Room temperature cure
- Off-white color

Epocast® 1633 A/B Syntactic
Low-density epoxy syntactic for edge fill, insert potting, core-reinforcing and panel repair applications. Designed for situations where a quick time to sand and handle is needed.
- High compressive strength
- Rapid setting (2-5 mins)
- Extrudable
- Variety of colors

Uralane® 5774 A/C Adhesive
Polyurethane adhesive which produces tough, impact-resistant bonds on hard-to-join thermoplastics and metal substrates.
- Flame retardant
- Semi-paste
- Handling strength after four hours at 77°F
- Beige color
General Bonding and Repair

Araldite® 2010-1 Adhesive
Fast reacting, toughened, multi-purpose epoxy adhesive.
- Room temperature cure
- High shear and peel strength
- Bonds a wide variety of substrates
- Pale yellow color

Araldite® 2011 Adhesive
Multi-purpose, structural epoxy adhesive that exhibits high strength and toughness.
- Room temperature cure
- Low shrinkage
- Long working life
- Bonds a wide variety of substrates
- Pale yellow color

Araldite® 2012 Adhesive
Multi-purpose, structural epoxy adhesive with a moderate viscosity providing high strength and toughness.
- Room temperature cure
- Bonds a wide variety of substrates
- Pale yellow color

Araldite® 2014 Adhesive
Structural epoxy adhesive that exhibits high strength with good environmental and chemical resistance.
- Room temperature cure
- High service temperatures
- Low outgassing
- Bonds a wide variety of substrates
- Pale yellow color

Araldite® 2015 Adhesive
Structural epoxy adhesive which develops a resilient bond. It is particularly suitable for SMC and GRP bonding.
- Room temperature cure
- High shear and peel strength
- Gap filling/non sag
- Beige color

Fastweld™ 10 A/B Adhesive
Rapid-setting epoxy adhesive offering a convenient one-to-one mix ratio. Develops strong bonds within a short time.
- Room temperature cure
- Paste
- Grey color

Global Presence – 13 Manufacturing Sites

For More Information
www.huntsman.com/aerospace
advanced_materials@huntsman.com