Advanced Materials

HUNTSMAN

Enriching lives through innovation

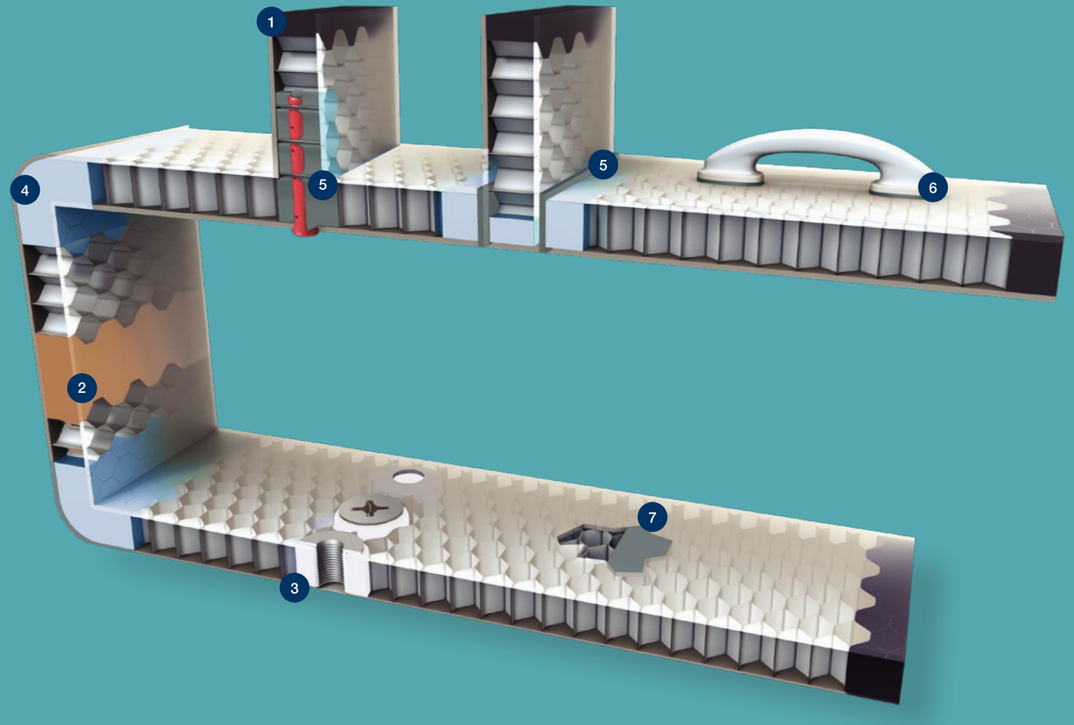
# HIGHER PERFORMANCE AND PRODUCTIVITY LOWER MAINTENANCE COSTS

Aerospace materials for production, assembly and maintenance

**From increasing throughput to reducing aircraft weight, our void fillers, adhesives, and composite material solutions enable you to operate a more sustainable and successful business.**

MADE POSSIBLE

# SOLVING AEROSPACE CHALLENGES FOR MORE THAN 70 YEARS




| Void fillers for core reinforcement and insert potting | Adhesives for joining and bonding | Laminating resins for composite production and repair |
|---|---|---|
| 1. Edge fill and close out<br>2. Panel reinforcement<br>3. Insert potting<br>4. Panel forming | 5. Panel pin bonding<br>6. Component bonding | 7. Manufacturing and repair |

Now more than ever, the aerospace industry is under pressure to reduce production times and costs. As a result, manufacturers and operators must find new ways to minimize expenses and maximize productivity.

At Huntsman Advanced Materials, we make things possible. Whether it is helping to realize innovative new designs, reduce weight for greater fuel efficiency, optimize production and maintenance, improve throughput, or more, our specialty material solutions will enable you to achieve your ambitions and drive sustainable growth.

For over 70 years, our adhesives, composites, and void fillers have been the products of choice for aerospace businesses like yours to help solve engineering challenges. Our unparalleled insight into the aerospace industry and processes means we know what you need to deliver performance, efficiency, and reliability, while consistently meeting global standards.

**↑75%**

Our adhesives allow weight reduction by up to 75% when compared to mechanical fasteners.

| Reduced cycle time | Lightweight design | Lower manufacturing costs |
|---|---|---|
| Our solutions help unlock production bottlenecks by improving productivity without compromising technical performance. | Our materials meet stringent mechanical requirements while offering a variety of density options, allowing for the lightest weight selection. | By reducing the number of joining and finishing operations, the overall production cycle can be reduced. This saves on labor costs and results in improved productivity. |

| Long-term performance | Flame retardancy | Sustainability |
|---|---|---|
| Our adhesives offer even distribution of load over a bonded area, reducing the number of drilled holes and limiting points of entry for corrosion and stress concentration. | Many of our products are flame retardant and exhibit the low flame, smoke, and toxicity characteristics required to comply with established regulations governing materials used in civil and commercial aircraft. | Our products are designed to comply with regional environmental regulations. Our global manufacturing footprint, local technical support, and commercial teams ensure both close proximity with our customers and security of supply. |

# EDGE AND VOID FILLERS
# FOR CORE REINFORCEMENT AND INSERT POTTING

| | Product | Mix ratio | Consistency | Gel time | Max service temperature | Compressive strength | Density | Color | Flame retardant | Packaging | | | | | OEM specifications |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Cartridges | Kits | Semkits® | Bulk | Patties | |
| | Conditions | | 23°C / 73°F | 25°C / 77°F | | 23°C / 73°F | | | | | | | | | |
| | Units | pbw | | min | °C / °F | MPa / ksi | | | | | | | | | |
| Two-component ↑ Low density | EPOCAST® 1645 FR A/B | 100 : 100 | Paste | 65 (100 g) | 175/350 | 20 / 2.9 | 0.48 | Brown | • | | • | | | | GE EMPIS A15 B218 A1 |
| | EPOCAST® 1629 A/B | 100 : 50 | Paste | 70 (75 g) | N/A | 20 / 2.9 | 0.48 | Off-white | • | | • | | | | Boeing BMS 5-28, Ty 9 / Mitsubishi M1074, Ty 2 / Raytheon BS 23818 Cl 1, Ty 1 |
| | EPOCAST® 1628 A/B | 100 : 25 | Paste | 65 (62.5 g) | N/A | 8 / 1.2 | 0.50 | Pale yellow | • | | • | | | | Boeing BMS 5-28, Ty 28 / TriumphTEC-M-20710-6, Ty 1 |
| | ARALDITE® 1641 A/B | 100 : 30.5 | Soft paste | Work life : 180 (50 g) at 23°C / 73°F | 90°C | 15 / 2.18 | 0.50 | Pale blue | | | | • | • | | Rolls-Royce MSRR 1076 |
| | ARALDITE® 1644 A/B | 100 : 20 | Paste | Work life : 35 (200 g) at 23°C / 73°F | 80°C | 30 / 4.4 | 0.55 | Pale green | | | | | • | | Airbus AIMS 10-03-001-02 |
| | EPOCAST® 1626 C1/D2 | 100 : 54 | Paste | 12 (77 g) | N/A | 8 / 1.2 | 0.69 | Brown | | • | | | | | Boeing BMS 5-28, Ty 26, Cl 2 / Spirit SMS 116201, Ty 3 |
| | EPOCAST® 1648 A/B | 100 : 20 | Paste | 18 (60 g) | N/A | 50 / 7.3 | 0.70 | Off-white | • | | • | • | | | Boeing BMS 5-28, Type 18 Class 1 |
| | EPOCAST® 1649-1 A/B | 100 : 50 | Paste | 10 | N/A | 40 / 5.8 | <0.74 | Light blue | • | • | | | | | Collins MS 3002, Rev 2 |
| | EPOCAST® 1617 A/B | 100 : 20 | Paste | 60 - 90 (60 g) | N/A | 40 / 5.8 at 77°F | 0.70 | Off-white | • | | • | | | | Boeing BMS 5-28, Type 17 / Rohr RMS 027, Type 5, Class 3, SCO 036 / Bombardier SMS 41, Type 3 / Alenia MDL08055 / Gamesa GMS 124047 / Kaman CMS-007-4 / Piaggio NP190112, Type 17 |
| | EPOCAST® 1618 D/B | 100 : 14 | Paste | 15 (55 g) | N/A | 40 / 5.8 at 77°F | 0.70 | Off-white | • | | • | • | | | Boeing BMS 5-28, Type 18, Class 1 |
| | EPOCAST® 1619-1 | 100 : 25 | Semi-paste | 20 - 50 (60 g) | N/A | 50 / 7.3 | 0.70 | Off-white | • | • | • | | | | Boeing BMS 5-28, Type 19 |
| | ARALDITE® 252-1/ Hardener 252-2 | 100 : 30 | Paste | 120 - 300 (at 23°C / 73°F) | 80°C | 45 / 6.5 | 0.75 | Blue or white | • | | • | | • | | Airbus ASNA 4072 ind.B / Airbus AIMS 10-03-005 |
| | EPOCAST® 1652 A/B | 100 : 12 | Paste | 30 - 60 (100 g) | 175/350 | 55 / 8.0 at 77°F | 0.80 | Light tan | | | • | • | | | Grumman GM 4006, Type 1, Class B, FM 1 / Sikorsky SS-9587, (-003A) Type 2, Class 1 / Embraer MEP 10-051, Type 2, Class 1 / Gulfstream GMS 4005, Type 1, Class B, FM 1 / Allied Signal PCS 5606 / Hurel-Hispano HS/DFO-010 |
| | EPOCAST® 89537 A/B | 100 : 18.5 | Pourable | 70 (60 g) | 175/350 | 60 / 8.7 at 77°F | 0.90 | Grey | • | | • | | | | Airbus I-D-N-200 - Z18.115-2 / Boeing BMS 5-28, Type 32 Lockheed Martin STM M1069 / Alenia MDL8027, Type 7 |
| | CG 1305 A/B | 100 : 20 | Pourable | > 60 (60 g) | 175/350 | 62 / 9.0 at 77°F | 0.90 | Off-white | • | | • | • | | | Boeing BMS 5-28, Type 7, Class 3 / Alenia MDL8027, Type 7 / Spirit SMS-116201, Type 1 |
| | EPOCAST® 1636 A/B | 100 : 8 | Pourable | 120 (55 g) | N/A | 100 / 14.5 at 77°F | 1.72 | Grey | • | | • | | | | Boeing BMS 5-28, Type 6 / Gulfstream GMS 4005, Type 1, Class C, FM 2 / Kaman CMS-007-3 |
| | EPOCAST® 1635 A/B | 100 : 23 | Soft paste | > 60 (60 g) | 175/350 | 100 / 14.5 at 77°F | 1.80 | Blue-Grey | | • | • | | | | Boeing BMS 5-28, Type 31 |
| One-component ↑ Low density | EPOCAST® 1614-A3 | Premixed | Extrudable paste | Work life : 24h | 175/350 | 125 / 18.1 | < 0.75 | Reddish-brown | • | • | | | | • | GE EMPIS A15 B205 (GE A15B205D1) / Grumman ACS-MRS-5601 |
| | EPOCAST® 927-1 | Premixed | Extrudable paste | Work life : 24h after thaw | 175/350 | 125 / 18.1 | 1.15 | Off-white | | • | | | | | Goodrich (Collins Aerospace) RMS 027, Type XV, SCO 036 |
| | EPOCAST® 938-A3 | Premixed | Extrudable paste | 18h after thaw (100 g) | 175/350 | 150 / 21.8 | < 1.4 | Yellow | • | • | | | | | Boeing BMS 5-28, Type 12, Class 1 & 2 / Boeing BMS 5-28, Type 13 / Vought VM 4006, Type 3, Class B, FM 1, AM 2 / Grumann GM 4006, Type 3, Class B, FM1 |
| | EPOCAST® 1627-2 | Premixed | Extrudable paste | 24h after thaw | 175/350 | 200 / 29.0 | 1.80 | Grey | | • | | | | • | Boeing BMS 5-28, Type 27 / Airbus Coasa RP1021209 |

↓ High density

ARALDITE® and EPOCAST® epoxy edge and void fillers provide you with the ideal solution for edge sealing, insert potting, and for honeycomb assembly, reinforcement, and repair.

Our portfolio is qualified to Airbus, Boeing, Goodrich (Collins Aerospace), Gulfstream, Bombardier, Bell, Rohr, Rolls Royce, and other key OEM specifications, and are listed as approved repair materials in many Structural Repair Manuals and Service Bulletins. Known for their outstanding performance, our products are found in a wide variety of aircraft parts today, from nacelles, engines, rudders, and radomes, to overhead bins, cabin doors, interior panels, and cabin flooring.

**↑50%** Increase productivity by up to 50%

**↑40%** Up to 40% better compressive strength

**↑40%** Improve off-ratio mix tolerances by up to 40%

# TRUSTED ADHESIVES
# FOR JOINING AND BONDING

| | Product | Mix ratio | Mixed viscosity | Gel time | Pot life conditions for measure | Suggested cure schedule | Max service temperature | Lap shear strength Al/Al | | T-peel | Color | Flame retardant | Pack-aging | | OEM specifications |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Conditions | | 23°C / 73°F | 100 g at 25°C / 77°F | 100 g at 23°C / 73°F | | | 23°C / 73°F | 80°C / 176°F | | | | Cartridges | Kits / Bulk | |
| | Unit | pbw | Pa.s | min | min | | °C / °F | MPa / ksi | MPa / ksi | pli | | | | | |
| EPOXY | EPIBOND® 315 A/B | 100:61.5 | Non-sag paste | 45 | N/A | 3 - 5 days at 25°C / 77°F or 1 h at 65°C / 150°F | 204 / 400 | 34 / 5.0 | 29 / 4.2 | 12 | Grey | | • | • | Huntsman standard certification |
| EPOXY | EPIBOND® 115 A/B | 100:50 | Thixotropic paste | 135 - 145 (180g) | N/A | 1 h at 65°C / 150°F + 3 - 5 h at 93°C / 200°F | 148 / 300 | 34 / 5.0 | 28 / 4.0 | 10 | Off-white | | | • | Cirrus E00000061, Type 1, Form B |
| EPOXY | EPIBOND® 215 A/B | 100 : 45 | Non-sag paste | 100 (20 g) | 30 | 1 h at 65°C / 150°F + 4 - 5 days at 25°C / 77°F | 148 / 300 | 32 / 4.6 | 24 / 3.5 | 71 | Off-white | | • | • | Huntsman standard certification |
| EPOXY | ARALDITE® 1570 FST A/B | 100 : 88 | Paste | N/A | 140 | 48 h at 25°C / 77°F or 1.5 h at 93°C / 200°F | 100 / 212 | 18 / 2.6 | 0.40 | N/A | Dark grey | • | • | | AIMS 10-04-006 |
| EPOXY | EPIBOND® 200 A/B | 100 : 100 | Non-sag paste | 100 | N/A | 3 - 5 days at 25°C / 77°F or 2 h at 57°C / 150°F | 93 / 200 | 22 / 3.2 | 7 / 1.0 at 93°C/200°F | 27 (roller peel) | Grey | | • | • | Huntsman standard certification |
| EPOXY | ARALDITE® 2015-1 | 100 : 100 | Thixotropic | N/A | 50 | RT/5 days | 100 / 212 | 20 / 2.9 | 10 / 1.5 | N/A | Beige | | • | • | Huntsman standard certification |
| EPOXY | ARALDITE® 2011 | 100 : 100 | 40 | N/A | 100 | RT/5 days | 90 / 194 | 26 / 3.8 | 8 / 1.2 | 29 (Roller) | Pale Yellow | | • | • | Airbus AIMS 10-04-020; ABP 5-1158; ASNA 4049; Dassault Aviation DGQT 1.7.0.22; MBDA PS 1728; Fokker TH5.558/1;TH5.558/6; Roxel MTA 00137 |
| EPOXY | ARALDITE® 2013-1 | 100 : 100 | Thixotropic | N/A | 85 | RT/5 days | 80 / 176 | 17 / 2.4 | 4 / 0.6 | N/A | Grey | | • | • | FACC, FMS 4140 |
| EPOXY | ARALDITE® 420 A/B | 100 : 50 | Thixotropic | N/A | 60 | RT/5 days | 80 / 176 | 37 / 5.4 | 5 / 0.7 | 41 (T-peel) | Dark Green | | • | • | Airbus, ASNA 4125<br>Airbus Defense & Space I+D-N-200 - Z15.213/1 |
| EPOXY | EPIBOND® 8000 FR A/B | 100 : 48 | Paste | 65-70 | N/A | 5-7 days at 25°C / 77°F or 1.5 h at 57°C / 135°F | 82 / 180 | 27 / 3.9 | 9 / 1.3 | 23 (roller peel) | Off-white | • | • | | Bombardier BOMS 820-001, Type 2 / Heath Tecna HMS A5-001, Type 1, Class 1 |
| EPOXY | EPIBOND® 420 A/B | 100 : 40 | Semi-paste | 70 | 60 | 7 days at 25°C / 77°F or 1 h at 121°C / 250°F | 65 / 150 | 31 / 4.5 | 3 / 0.50 | N/A | Blue-green | | • | • | Triumph TCE-M-20710-4, Ty 1 / Boeing BMS 5-107, Class 1 / Meggitt Composites MS 0013 |
| PU | URALANE® 5774-1 A/C | 100 : 55 | Semi-paste | 15-25 | N/A | 7 days at 25°C / 77°F or 2 h at 93°C / 200°F | 82 / 180 | 15 / 2.2 | 9 / 1.3 | 35 | Beige | • | • | • | Boeing BMS 5-105, Type 5 / Heath Tecna HMS A4-001, Type 1, Class 2 / US Navy NWC78A151 / Gulfstream GAA 100BN1 / Army 13312291 |
| PU | URALANE® 5779-1 A/B | 100 : 98 | Non-sag paste | 8-15 | N/A | 7 days at 25°C / 77°F or 4 h at 57°C / 150°F | 82 / 180 | 8 / 1.2 | N/A | 10 | White | | • | | Boeing BMS 5-105, Type 6I / Heath Tecna HMS A4-001, Type 1, Class 3 |
| PU | URALANE® 5779-1 A80/B | 100 : 98 | Non-sag paste | 8-15 | N/A | 7 days at 25°C / 77°F or 4 h at 57°C / 150°F | 82 / 180 | 8 / 1.2 | N/A | 10 | Beige | | • | | Boeing BMS 5-105, Ty 6 |
| Acrylic | ARALDITE® 2051 | 100 : 100 | Thixotropic | N/A | 4-6 minutes (20 gr at 25°C) | 24 hour at RT or 16 hours at 40°C | 120 / 248 | >30 / >4.4 | 40 / 5.8 | 40 | Pale Yellow | | • | | Huntsman standard certification |
| Acrylic | ARALDITE® 2022-1 | 100 : 100 | Thixotropic | N/A | 10 | RT/5 days | 100 / 212 | 26 / 3.8 | 15 / 2.2 | 42 (T-peel) | Pale Yellow | | • | | Huntsman standard certification |

Our high-performance ARALDITE®, EPIBOND® and URALANE® adhesives provide superior joining and bonding solutions for plastics, metals, composite materials and other substrates. Huntsman adhesives are proven to offer manufacturing process improvements and reductions in weight over other fastening methods.

Additionally, manufacturers can select adhesives resistant to fatigue, chemicals and high temperatures, with mechanical properties that vary from rigid to flexible and offer long-term durability.

Our products are specified in numerous applications ranging from interior parts such as seats, lavatories, overhead bins, galleys, and monuments, to exterior parts such as nacelles, landing gear, doors, and control surfaces.

↑80% Increase throughput by up to 80%

↑75% Reduce weight compared to mechanical fasteners by up to 75%

↑150% Improve mechanical strength by up to 150%

# COMPOSITE SYSTEMS FOR
# PRODUCTION AND MRO

## COMPOSITE SYSTEMS FOR REPAIR

| Product | Mix ratio | Mixed viscosity | Gel time | Suggested cure schedule | Nominal service temperature | Compressive strength | Color | Flame retardant | Packaging | | Representative OEM specifications |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Conditions | | at 23°C / 73°F | 100g at 25°C/ 77°F | | | 23°C / 73°F | | | Kits | Bulk | |
| Units | pbw | cP | min | °C /°F | °C /°F | MPa | | | | | |
| EPOCAST® 35 A / 927 | 100 : 25 | 7 000 | 240 - 300 | 4 h at 82°C / 46°F or 2 h at 121°C/ 250°F | 147 / 298 | 67 * | Amber | | ● | | Boeing BMS B-214, Ty1 |
| EPOCAST® 50-A1 / 946 | 100 : 15 | 2 400 | 20 | 5 days at 2520 at 25C/77°F or 2 h at 77-93°C /170-200°F | - | 48 * | Amber | ● | ● | | Boeing BMS B-201, Ty4 / Embraer MEP 22-011 |
| EPOCAST® 54 A/B | 100 : 15 | 8 000 | 15 - 25 | 5 days at 25°C / 77°F or 2 h at 66-93°C/ 150-200°F | - | 49 * | Light amber | ● | ● | | Airbus IPS 04-27-001-01 |
| EPOCAST® 52 A/B | 100 : 40 | 5 500 | 210 - 330 | 3 h at 66°C / 150/°F or 2 h at 93°C / 200°F | 176 / 350 | - | Blue | | ● | | Airbus IPS 06-01-002-01 / Eurocopter ECS 0049 Part 1 / SAE Aero AMS 2980 |
| EPOCAST® 50-A1 / 9816 | 100 : 14 | 2 400 | 65 | 5 days at 25°C / 77°F or 2 h at 77-93°C / 170-200°F | - | 47 | Amber | ● | ● | | Boeing BMS B-201, Ty3 / Embraer MEP 22-011 |
| ARALDITE® 501 A/B | 100 : 15 | 3 500 | 90 | 7 days at 25°C/ 77°F or 16 h at 45°C / 113°F or 2 h at 70°C / 158°F | 120 / 248 | - | Blue | | ● | | Douglas HMS 16-1115 Ty3 / MD Helicopters MDM16-1115, Ty 3 |

*12-ply laminate using 7781-type glass fabric

## COMPOSITE SYSTEMS FOR STRUCTURAL AND INTERIOR PARTS MANUFACTURING

| Product | Short Description | Mix Ratio (by weight) | Mixed Viscosity RT (mPa.s) | Gel time 80°C / 176°F (min) | Typical cure cycle | Typical Tg (°C / °F) | Flexural Strength (MPa / ksi) | $K_{1C}$ (MPa.√m) | Strain / Elongation (%) |
|---|---|---|---|---|---|---|---|---|---|
| ARALDITE® 40002/40003 | FAR 25.853 FST compliant and halogen-free solutions designed for structural interior applications. Fast curing capability (ca 5 min / 150°C / 300°F). | 100 : 25 | 600 - 800 | 40 | 1 h at 100°C/ 212°F + 1 h at 120°C / 248 °F + optional 2 h at 180°C / 356°F free-standing post-cure for large parts 5 min at 150°C / 302°F or 30 min at 120° C / 248°F + optional 2 h at 180°C / 356°F free-standing post-cure for small / medium parts | 260 / 500 | 135 / 19.6 | 0.9 | 5 |
| ARALDITE® 40002/40006 | | 100 : 25 | 450 - 550 | 40 | | 210 / 410 | 135 / 19.6 | 0.6 | 4 |
| ARALDITE® LY 8615 / XB 5173 | High Tg system with excellent processability | 100 : 38 | 320 | 25 | 2 h at 180°C / 356°F | 200 / 392 | 115 / 16.7 | 0.7 | 5 |
| ARALDITE® LY 3508 / ARADUR® 22962 | Toughened system with a good balance between productivity / processing | 100 : 22 | 2,000 (cP) | 30 | 2 h at 150°C / 302°F | 145 /293 | 125 / 18.1 | 1.1 | 9 |
| ARALDITE® LY 1564 / ARADUR® 2954 | Versatile system with excellent processability | 100 : 35 | 600 | 40 | 2 h at 160°C / 320°F | 135 / 275 | 100 / 14.5 | 0.75 | 7 |
| ARALDITE® 570 Resin / ARADUR® 2954 Hardener | Medium Tg with outstanding mechanical performance | 100 : 41 | 600 | 314 (at 60°C) | 2 h at 120°C / 248°F | 130 / 266 | 130 / 18.9 | 1.1 | 7.5 |
| ARALDITE® LY 3508 / ARADUR® 3475 | Toughened system for mass production | 100 : 20 | 1,200 (cP) | 7 | 1 min at 140°C / 284°F | 120 / 248 | 70 / 10.2 | 1.5 | 9 |
| ARALDITE® LY 5052 / ARADUR® 5052 | Low viscosity Cold curing system | 100 : 38 | 600 | 15 | 1 day 23°C / 77°F + 15 h 50°C / 122°F or 1 day 23°C / 77°F + 4 h 100°C / 212°F | 120 / 248 | 135 / 19.6 | 0.8 | 6 |

For decades, Huntsman composite systems have been the industry standard for the manufacturing and repair of many different aircraft parts, including radomes, fairings, flight control surfaces, cargo and cabin panels, and more.

Our composite systems combine ease of handling with excellent mechanical strength to perform in the most demanding applications and environments. Many are also flame retardant and can be used to wet out fiberglass, carbon fiber, and honeycomb core reinforcements.

**ARALDITE® and EPOCAST® composite systems provide outstanding mechanical performance for manufacturing and maintenance, repair and overhaul (MRO).**

# MATERIAL SPECIFICATIONS

The majority of our products are qualified to aircraft and engine manufacturer's specifications across platforms including fixed wing, rotorcraft, and spacecraft.

We are continuously striving to increase these approvals through on-going innovation and development. The specification list undergoes continuous updates, thus it's advised to refer to the latest specification revision for accurate product qualifications.

| Airbus | |
|---|---|
| ABP 5-1158 | **ARALDITE® 2011** |
| AIMS 05-04-103 | **ARALDITE® LY 5052 / ARADUR® 5052** |
| AIMS 08-01-001 | **ARALDITE® LY 5052 / ARADUR® 5052** |
| AIMS 08-02-001 | **ARALDITE® LY 5052 / ARADUR® 5052** |
| AIMS 10-03-001 & ASNA 4072 | **ARALDITE® 1644 A/B** |
| AIMS 10-03-005 | **ARALDITE® 252-1** |
| AIMS 10-04-006 | **ARALDITE® 1570 FST A/B** |
| AIMS 10-04-020 | **ARALDITE® 2011** |
| AIMS 10-04-024 | **ARALDITE® 501 A/B** |
| ASNA 4047 | **ARALDITE® 501 A/B** |
| ASNA 4049 | **ARALDITE® 2011** |
| ASNA 4072 | **ARALDITE® 252-1** |
| I+D-N-200 - Z15.213/1 | **ARALDITE® 420 A/B** |
| I+D-N-200 - Z18.115/2 | **EPOCAST® 89537 A/B** |
| **Airbus / Coasa** | |
| RP1021209 | **EPOCAST® 1627-2** |
| **Airbus Defense and Space** | |
| MPS0059 | **ARALDITE® 403 A/B** |
| MPS.0011328.DM.S.ADS | **ARALDITE® AV 138M-1 / HV 998-1** |
| **Airbus Helicopters** | |
| ECS 0049 | **EPOCAST® 52 A/B** |
| **Alenia Aermacchi / Leonardo** | |
| MDL08055 | **EPOCAST® 1617 A/B** |
| MDL8027, Type 7 | **CG 1305 R/H** |
| **Allied Signal / Honeywell** | |
| PCS 5606 | **EPOCAST® 1652 A/B** |
| **Army** | |
| 13312291 | **URALANE® 5774 A/C** |
| **Bell Helicopter** | |
| 299-947-097, Type 5 | **EPOCAST® 1626 A/B** |
| **Boeing** | |
| BMS 5-28, Type 3 | **EPOCAST® 1511 A/B** |
| BMS 5-28, Type 6 | **EPOCAST® 1636 A/B** |
| BMS 5-28, Type 32 | **EPOCAST® 89537 A/B** |
| BMS 5-28 Type 7, Class 3 | **CG 1305 A/B** |
| BMS 5-28, Type 9 | **EPOCAST® 1629 A/B** |
| BMS 5-28, Type 10 | **EPOCAST® 1610-A1** |
| BMS 5-28, Type 15 | **EPOCAST® 1615 A/B** |
| BMS 5-28, Type 17 | **EPOCAST® 1617 A/B** |
| BMS 5-28, Type 18, Class 1 | **EPOCAST® 1648 A/B** |
| | **EPOCAST® 1618 D/B** |
| BMS 5-28, Type 18, Class 2 | **EPOCAST® 1633 A/B** |
| | **EPOCAST® 1633-A40/B** |
| | **EPOCAST® 1633-A41/B** |
| | **EPOCAST® 1633-A50/B** |
| BMS 5-28, Type 19 | **EPOCAST® 1619 A/B** |
| BMS 5-28, Type 26, Class 1 | **EPOCAST® 1626 A/B** |
| BMS 5-28, Type 26, Class 2 | **EPOCAST® 1626 C1/D2** |
| BMS 5-28, Type 27 | **EPOCAST® 1627-2** |
| BMS 5-28, Type 28 | **EPOCAST® 1628 A/B** |
| BMS 5-28, Type 31 | **EPOCAST® 1635 A/B** |
| BMS 5-105, Type 3 | **URALANE® 5759 G/D** |
| BMS 5-105, Type 5 | **URALANE® 5774 A/C** |
| BMS 5-105, Type 6 | **URALANE® 5779-1 A/B** |
| | **URALANE® 5779-1 A-80/B** |
| BMS 5-107, Class 1 | **EPIBOND® 420 A/B** |
| BMS 5-123, Type 1, Class 3 | **EPIBOND® 8543 C/B** |
| BMS 5-126, Type 2, Class 1, Gr B | **EPIBOND® 1534 A/B** |
| BMS 5-126, Type 3, Class 1, Gr B | **EPIBOND® 1536 A/B** |
| BMS 5-126, Type 4, Class 4, Gr B | **EPIBOND® 1544-1 A-82/D** |
| BMS 5-126, Type 6, Class 1, Gr B | **EPIBOND® 1539 A/B** |
| BMS 5-164, Type 1 | **AGOMET® F307** |
| BMS 8-201, Type 3 | **EPOCAST® 50 A1/9816** |
| BMS 8-201, Type 4 | **EPOCAST® 50 A1/946** |
| D800-10411-1, PDD 6-1 | **EPIBOND® 1565 A/B** |
| HMS 16-1068, Class 8B | **EPIBOND® 1217 A/B** |
| **Bombardier** | |
| BOMS 820-001, Type 2 | **EPIBOND® 8000 FR A/B** |
| SMS 41, Type 3 | **EPOCAST® 1617 A/B** |
| **Cessna** | |
| CMNP085 | **EPOCAST® 1652 A/B** |
| **Cirrus** | |
| E00000061, Type 1, Form B | **EPIBOND® 100 A/C** |
| **Collins Aerospace** | |
| LCMS 202, Type 1 | **URALANE® 5774 A/C** |
| MS 3002, Rev 2 | **EPOCAST® 1649-1** |
| **Embraer** | |
| MEP 10-051, Type 2, Class 1 | **EPOCAST® 1652 A/B** |
| MEP 22-011 | **EPOCAST® 50 A1/946** |
| | **EPOCAST® 50 A1/9816** |
| **FACC** | |
| FMS 4140 | **ARALDITE® 2013 (AV144-2 / HV-997)** |
| **Fairchild Dornier** | |
| DON 816 | **ARALDITE® 2026** |
| **GE / Dowty Propellers** | |
| EMPIS A15 B218 A1 | **EPOCAST® 1645 A/B** |
| **Goodrich (Collins Aerospace)** | |
| RMS 027, Type XV, SCO 036 | **EPOCAST® 927-1 GB** |
| **Gulfstream** | |
| GAA 100BN1 | **URALANE® 5774 A/C** |
| GMS 4005, Type 1, Class B, FM 1 | **EPOCAST® 1652 A/B** |
| **Heath Tecna** | |
| HMS A4-001, Type 1, Class 2 | **URALANE® 5774 A/C** |
| HMS A4-001, Type 1, Class 3 | **URALANE® 5779 A/B** |
| HMS A5-001, Type 1, Class 1 | **EPIBOND® 8000 FR A/B** |
| HMS A5-001, Type 2, Class 3 | **EPIBOND® 1559-1 A/B** |
| **Hexcel** | |
| RMS 8957, E | **ARALDITE® 420 A/B** |
| **Kaman Composite** | |
| CMS-007-4 | **EPOCAST® 1617 A/B** |
| **Leonardo** | |
| MDL08055 | **EPOCAST® 1617 A/B** |
| **Lockheed Martin** | |
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| LAC 30-4639-0200 | **EPIBOND® 1210 A/9861** |
| LAC 30-4639-0300 | **EPIBOND® 1210 A/9615-10** |
| STM M1069 | **EPOCAST® 89537 A/B** |
| **MD Helicopters** | |
| MDM16-1068, Class 8B | **EPIBOND® 1217 A/B** |
| MDM16-1115, Type 3 | **ARALDITE® 501 A/B** |
| **NORDAM** | |
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| **Northrop Grumman** | |
| GA 100BN | **URALANE® 5774 A/C** |
| GM 4006, Type 1, Class B, FM 1 | **EPOCAST® 1652 A/B** |
| | **EPOCAST® 1656 A/B** |
| GM 4006, Type 3, Class B | **EPOCAST® 938-A3** |
| GR 110PF1 | **EPOCAST® 1670 A/B** |
| **Pratt & Whitney** | |
| CPW 505 | **EPOCAST® 1656 A/B** |
| PWA 36757 | **EPOCAST® 1661** |
| **ROHR** | |
| RMS 027, Type 5, Class 3, SCO 036 | **EPOCAST® 1617 A/B** |
| RMS 027, Type 12 | **EPOCAST® 1614 A3** |
| **SAE Aerospace (CACRC)** | |
| AMS 2980 | **EPOCAST® 52 A/B** |
| **SAFRAN Nacelle** | |
| HS/DFO-010 | **EPOCAST® 1652 A/B** |
| **Sikorsky** | |
| SS-9440, (-001A) | **EPOCAST® 169 A-1/946** |
| SS-9587, (-002A & -005A ) Type 1 | **EPOCAST® 169 A-1/9615** |
| SS-9587, (-003A) Type 2, Class 1 | **EPOCAST® 1652 A/B** |
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| SMS-116201, Type 3 | **EPOCAST® 1626 C1/D2** |
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