3M Aerospace Top products.



The Greatest Asset in Aerospace: A Reliable Partner.

You strive to reduce weight, improve rates and increase efficiency, in production and in the aircraft itself. 3M can help. For more than 70 years, we have quietly, passionately worked with leading professionals to solve some of the greatest challenges in the aerospace industry. Our work has resulted in a wide-ranging portfolio of aircraft solutions - films, adhesives, sealants and surface protection to name a few. But it also makes us the most valuable asset you can have in aerospace: a reliable partner. One with a curious nature, and a willingness to push beyond the status quo. One that's committed to helping you continually optimize costs throughout the entire cycle of aircraft design, production and maintenance. And, as one of the world's most ethical companies, 3M is equally committed to sustainable solutions that help you build and maintain the safest and most efficient aircraft in the world. Discover how 3M can partner with you.



Segment Solutions

> Interiors

With the right solutions, every challenge in aircraft interiors – every void, every bracket, every veneer and every monument – becomes an opportunity. Learn more now.

> Exteriors

Succeed on tighter timelines and budgets with high-quality aerospace sealants that have superb shop-handling characteristics, lower weight, reduce VOC's, offer fast cure times and meet various OEM approvals.

> Structures

Optimizing designs, meeting stringent build-toprint requirements and cutting weight are just the start to truly setting you apart. Explore 3M aircraft structural solutions now.

> Propulsion

Fabricating and bonding to composites, hightemp adhesive films, surface protection... 3M has invented and reinvented in key areas of aircraft engine design and integration.

> MRO

From adhesives to abrasives and films, from tapes to safety products, 3M has a deep and extensive offering of solutions tailored specifically for the aerospace industry.

> Aircraft Painting

True excellence in aircraft painting requires products that work – not just at a glance, but below the surface and behind the scenes. 3M delivers with a broad range of solutions for performance, reliability and added efficiency from strip/sand to surface prep to sealing.



Interior Component Fabrication

Bracket Bonding Adhesives

 3M[™] Scotch-Weld[™] EC-7202 B/A Bracket Bonding Adhesive

Core Reinforcement Compounds

- 3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A
- 3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3550 B/A FST

Edge and Void Fillers

- 3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3505 B/A FR
- 3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3550 B/A FST
- 3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3524 B/A FST
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-9370 B/A FST

Insert Potting Compounds

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-3542 B/A FR
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-9370 B/A FST

Sprayable Contact Adhesives

- 3M[™] Scotch-Weld[™] Adhesive EC-1357
- 3M[™] Scotch-Weld[™] Neoprene High Performance Rubber and Gasket Adhesive EC-1300/ EC-1300I

Structural Honeycomb Monument Build

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2815 B/A FR
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-9370 B/A FST
- 3M[™] Scotch-Weld[™] Structural Adhesive EC-9356 B/A FST
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9300 B/A FST
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-3542 B/A FR

Thermoplastic Bonding

• 3M[™] Scotch-Weld[™] EC-7246-2 FST

Honeycomb Splicing and Edge Finishing

• 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Interior Part Assembly & Installation

Bracket Bonding

 3M[™] Scotch-Weld[™] EC-7202 B/A Bracket Bonding Adhesive

Floorboard Sealing

- 3M[™] Aerospace Sealant AC-770 B
- 3M[™] Aerospace Sealant AC-735 B

Corrosion Prevention

- 3M[™] Corrosion Prevention Sealing Tape 9143FR
- 3M[™] Polyurethane Protective Tape 8658DL
- 3M[™] Polyurethane Protective Tape 8663DL
- 3M[™] Polyurethane Protective Tape 8657DL
- 3M[™] Polyurethane Protective Tape 8666

Thermal Acoustic Solutions

- Aircraft Damping Composites
- Overframe Blankets
- Carpet Pad
- Primary Insulation

Temporary Protection

- 3M[™] Polyurethane Protective Tape 8547
- 3M[™] Polyurethane Protective Tape 8547-1



Surface Prep

Surface Pre-Treatment

• 3M[™] Surface Pre-Treatment AC-131 BB & CB

Seal / Polysulfide Sealants

Fuel Tank Sealants

- 3M[™] Aerospace Sealant AC-350
- 3M[™] Aerospace Sealant AC-380

Fuselage Sealants

- 3M[™] Aerospace Sealant AC-770
- 3M[™] Aerospace Sealant AC-735

Non Chromate Corrosion Inhibitive Sealants

• 3M[™] Aerospace Sealant AC-735

Adhesion Promoters

- 3M[™] Adhesion Promoter AC-160
- 3M[™] Adhesion Promoter AC-137

Tamper Proof Sealing

• 3M[™] Scotch-Weld[™] Tamper Proof Sealant EC-1252

Surface Protection and Enhancement

Structural Adhesive Surfacing and Lightning Strike Protection Films

- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M & AF 325LS
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Advanced Composite Protection 3M[™] Cocure films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA
- 3M[™] RP-2220

Corrosion Prevention Tapes

- 3M[™] Polyurethane Protective Tape 8658DL
- 3M[™] Polyurethane Protective Tape 8663DL
- 3M[™] Polyurethane Protective Tape 8657DL
- 3M[™] Polyurethane Protective Tape 8686

Rotor Blade Tapes

- 3M[™] Polyurethane Protective Tape 8542HS
- 3M[™] Polyurethane Protective Tape 8545HS
- 3M[™] Polyurethane Protective Tape 8663HS, Matte Black

Military Grade Tapes

- 3M[™] Polyurethane Protective Tape 8667HS
- 3M[™] Polyurethane Protective Tape 8681HS

Commercial Grade Tapes

- 3M[™] Polyurethane Protective Tape 8671 and/or 8671HS
- 3M[™] Polyurethane Protective Tape 8672
- 3M[™] Polyurethane Protective Tape 8673
- 3M[™] Polyurethane Protective Tape 8674

Fuel Cell /Anti-Chafe Tapes

3M[™] Polyurethane Protective Tape 8544

FOD Impact Protection Tapes

- 3M[™] Polyurethane Protective Tape 8641
- 3M[™] Polyurethane Protective Tape 8642

Indoor Grade Tapes

- 3M[™] Polyurethane Protective Tape 8561
- 3M[™] Polyurethane Protective Tape 8562

Temporary Protection Tapes

- 3M[™] Polyurethane Protective Tape 8547
- 3M[™] Polyurethane Protective Tape 8547-1

Thermoformed Protection Boots

- Custom made with aircraft specific part number
- Typical application areas: Radome, winglet, antenna leading edge protection, fairings, light/ lens protection, landing gear

Urethane Repair Pastes / Edge Sealers

- 3M[™] Scotch-Weld[™] Repair Paste 2110
- 3M[™] Scotch-Weld[™] Repair Paste 2220

Application Accessories

- 3M[™] Protective Tape Application Solution
- 3M[™] Adhesion Promoter 86A

🖳 Structures

Composite Part Fabrication

Advanced Composite Protection Cocure Films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA

Repair Paste / Edge Sealers

- 3M[™] Scotch-Weld[™] Repair Paste 2110
- 3M[™] Scotch-Weld[™] Repair Paste 2220

Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 126 and AF 126-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 555
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 131-2

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product selection.

Structural Adhesive Composite Surfacing Films

- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Structural Adhesive Lightning Strike Protection Film

- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325LS
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Honeycomb Void Filler

- 3M[™] Scotch-Weld[™] Void Filling and Edge Sealing Compound EC-3500 B/A
- 3M[™] Scotch-Weld[™] Void Filling and Edge Sealing Compound EC-3500-2 B/A
- 3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR

Edge Sealers

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2216 B/A Gray
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-3333 B/A

Paste Adhesives

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2214
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 B/A
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9323-2 B/A
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-2792 B/A

Core Splice Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028 and AF 3028FR
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Metal Component Fabrication

Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 126 and AF 126-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 555
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 131-2

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product selection.

Surface Pre-Treatment

• 3M[™] Surface Pre-Treatment AC-130-2

Structural Adhesive Bond Primers

- 3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3910
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3917
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5000
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5000AS
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5005

Paste Adhesives

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2214
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 B/A
- 3M[™] Scotch-Weld[™] Urethane Adhesive EC-3587
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9323-2 B/A

Core Splice Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3002
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Assembly & Completions

Paste Adhesives

- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2214
- 3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 B/A
- 3M[™] Scotch-Weld[™] Urethane Adhesive EC-3587
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9323-2 B/A
- 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-2792 B/A

Liquid Shim Adhesives

- 3M[™] Scotch-Weld[™] Advanced Liquid Shim EC-7272 B/A
- Bracket Bonding Adhesive
- 3M[™] Scotch-Weld[™] Bracket Bonding Adhesive EC-7202 B/A

Polysulfide Sealants 3M[™] Aerospace Sealant AC-380

Tamper Proof Sealants

• 3M[™] EC-1252

Propulsion

Engine Components

Surface Pre-Treatment

 3M[™] Surface Pre-Treatment AC-130-2

Structural Adhesive Bond Primers

- 3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3910
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3917
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5005

Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
 3M[™] Scotch-Weld[™] Structural
- Adhesive Film AF 3109-2 • 3M[™] Scotch-Weld[™] Structural
- Adhesive Film AF 191

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product selection.

Advanced Composite Protection Cocure Films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA

Urethane Repair Pastes

- 3M[™] Scotch-Weld[™] Repair Paste 2110
- 3M[™] Scotch-Weld[™] Repair Paste 2220

Fan Track Abradable / Void Fillers

- 3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR
- 3M[™] Scotch-Weld[™] Void Filling and Edge Sealing Compound EC-3500 B/A

Surface Pre-Treatment

Nacelle

• 3M[™] Surface Pre-Treatment AC-130-2

Structural Adhesive Bond Primers

- 3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3910
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3917
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5005

Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191

Core Splice Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Advanced Composite Protection Cocure Films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA

Urethane Repair

- 3M[™] Scotch-Weld[™] Repair Paste 2220
- 3M[™] Scotch-Weld[™] Repair Paste 2110

Fan Track Abradable / Void Fillers

- 3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR
- 3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A

Structural Adhesive Surfacing and Lightning Strike Protection Films

- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M & AF 325LS
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 191 XS
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Thermoformed Boots

• FP 151, FP 231, FP 232



Propulsion

Fan Blades

Surface Pre-Treatment

 3M[™] Surface Pre-Treatment AC-130-2

Structural Adhesive Bond Primers

- 3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3910
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3917
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5005

• 3M[™] Scotch-Weld[™] Structural

- Adhesive Film AF 191 • 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product selection.

Structural Adhesive Composite Surfacing Films

- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M
- 3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Advanced Composite Protection Cocure Films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA

Urethane Repair Pastes

- 3M[™] Scotch-Weld[™] Repair Paste 2110
- 3M[™] Scotch-Weld[™] Repair Paste 2220

Rotor Blades

Surface Pre-Treatment

• 3M[™] Surface Pre-Treatment AC-130-2

Structural Adhesive Bond Primers

- 3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3910
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3917
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-1660
- 3M[™] Scotch-Weld[™] Structural Adhesives Primer EW-5005

Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2
- 3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191
- 3M[™] Scotch-Weld[™] Epoxy Adhesive AF 30

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product selection.

Core Splice Structural Adhesive Films

- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028
- 3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Advanced Composite Protection Cocure Films

- 3M[™] Polyurethane Protective Tape 8730NA
- 3M[™] Polyurethane Protective Tape 8732NA
- 3M[™] Polyurethane Protective Tape 8734NA

Polyurethane Protection Films and Tapes

- 3M[™] Polyurethane Protective Tape 8545HS
- 3M[™] Polyurethane Protective Tape 8542HS
- 3M[™] Polyurethane Protective Tape 8999 K11 Rotor Blade Protection Kit
- UH-60M: SJ8542HS FP641 Patch

Urethane Repair Pastes

- 3M[™] Scotch-Weld[™] Repair Paste 2220
- 3M[™] Scotch-Weld[™] Repair Paste 2110

Thermoformed Boots

- FP 637, FP 532, FP 557, FP 558, FP 595
- 3M[™] Polyurethane Protective Boot SJ8542HS FP637
- 3M[™] Polyurethane Protective Tape SJ8542HS FP641 (UH-60M)



Abrasives

- Abrasives for Structural Repair
- Light Corrosion and Sealant Removal
- Sand Fairings and Flight Control
- Abrasives for Composites
- Decal and Placard Removal on Metal
- Metal Stress Relieving

Aircraft Painting

- Chemically Strip and/or Sand
- Surface Preparation and Primer
- Application
- Base Coat and Paint Application, Striping, Livery and Clear Coat Detail Finish and Repair

Cleaning

- General Cleaning
- Interior
- Exterior
- Seat Track Cleaning

Composite Repair

- Tapes for Composite Repair
- · Adhesives for Composite Repair
- 3M[™] Scotch-Weld[™] Epoxy Adhesives and Accessories

Corrosion Management

- Wet Area Corrosion Prevention
- Abrasives for Corrosion Removal

Electrical Systems and Maintenance • Tapes

- Engine Overhaul
- Metal Stress Relieving
- Surface Protection Film Repair
- Abradable Compound

🖁 护 Aircraft Painting

Chemically Strip and/or Sand

Surface Preparation and Primer Application

Personal Safety

- High Noise Environments
- Fall Protection Safety
- Head, Eye and Face Protection
- Respiratory Exposures
- Welding Safety
- Confined Spaces

Sealing, Bonding and Joining

- Sealants
- Sealant Removal
- Bonding
- Joining
- Cargo Compartment Sealing
- Decorative Laminate Bonding

Specialty and Processing Aid Tapes

- Adhesion Testing Tapes
- Temporary Part Marking
 - Metal Processing Tapes
 - Welding Protection Tapes
- Media Blasting
- Floor Marking Tapes
- Vibration Damping Tapes

Surface Protection

- Temporary Protection for Parts, Carpets or Facilities
- Erosion Protection and Edge Sealing
- Chemical Protection
- Impact Protection
- Chafing Protection

Base Coat and Paint Application, Striping, Livery and Clear Coat

Detail Finish and Repair

Aircraft Interiors Component Fabrication



Go above and beyond with 3M's aircraft interior solutions designed to boost assembly efficiency and out-perform most materials used in aircraft construction. 3M's low-density compounds are some of the lightest on the market, offer reduced voids and are built tough. Streamline operation with solutions designed to fit your process.

Aircraft Interiors Part Fabrication

Bracket Bonding Adhesives

- Simple two-step process, apply and bond without using fixtures
- Instant hold with no sag or mess
- Low-flow for use in vertical or overhead applications



Core Reinforcement Compounds

- Superior compressive strength
- Excellent performance over a wide temp range
- Some meet Fire Retardant (FR) per 14CFR 25.853 and others meet Flame Smoke Toxicity (FST) requirements

Edge and Void Fillers

- Saves weight with one of the lightest pumpable/extrudable Fire Retardant (FR) void filler in the industry
- Industry-leading combination of density with compression strength
- Some meet FR per 14CFR 25.853 and others meet Flame Smoke Toxicity (FST) requirements



Insert Potting Compounds

- High torque resistance ideal for inset potting application
- Fast cure and lightweight options available
- Fire Retardant (FR) compliant per 14CFR 25.853 (a)



Aircraft Interiors Part Fabrication

Sprayable Contact Adhesives

- Bonds to flexible foams, wood, fabric, plastic and metal surfaces
- Can be applied by spray, brush or roller
- Applications include bonding of decorative veneer, gaskets and de-icing boots

Structural Honeycomb Monument Build

- Mechanical properties help to achieve high durability and light-weighting goals
- Variable cure and worklife options at room temperature
- Fire Retardant (FR) and Flame Smoke Toxicity (FST) options available



- Can be used to bond thermoplastics to metal and composite surfaces
- Low sag formulation delivers controlled flow for vertical applications
- Flame Smoke Toxicity (FST) options are available

Honeycomb Splicing and Edge Finishing

- Repeatable expansion rates add consistency to the parts
- Up to six months shelf life and shop life at room temperature
- Core splice adhesive film can be cured at 120°C or 180°C with service temperatures from -55°C to 135°C









Component Fabrication - Top Products

Bracket Bonding Adhesives

3M[™] Scotch-Weld[™] EC-7202 B/A – no-sag eliminates support fixtures to help reduce waste and save time

Core Reinforcement Compounds

3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A – superior compressive strength of 6000 psi (41 MPa) with only 0.64 g/cm density

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3550 B/A FST – meets Airbus FST (Flame, Smoke, Toxicity) Requirement, ABD-0031

Edge and Void Fillers

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3505 B/A FR – very low density, FR (Fire Retardant)

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3550 B/A FST – meets Airbus FST (Flame, Smoke, Toxicity) Requirement, ABD-0031

3M[™] Scotch-Weld[™] Structural – Void Filling Compound EC-3524 B/A FST – *very low density, FST*

Insert Potting Compounds

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-3542 B/A FR – two-part epoxy potting compound, fire retardant, with fast gel and cure time at room temperature

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-9370 B/A FST – a low density, two-part, room temperature curing epoxy adhesive designed for honeycomb panel filling, potting, and bonding applications

Sprayable Contact Adhesives

3M[™] Scotch-Weld[™] Adhesive EC-1357 – polychlororoprene based adhesive, sprayable

3M[™] Scotch-Weld[™] Neoprene High Performance Rubber and Gasket Adhesive EC-1300/EC-1300L

Structural Honeycomb Monument Build

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2815 B/A FR – maximum mechanical strength for overhead luggage bins, stowage panels and monuments; work life is 60 min

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-9370 B/A FST – a low density, two-part, room temperature curing epoxy adhesive designed for honeycomb panel filling, potting, and bonding applications

3M[™] Scotch-Weld[™] Structural Adhesive EC-9356 B/A FST – fast cure option compared to EC-9300 FST

3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9300 B/A FST – best choice for ditch and pot applications

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-3542 B/A FR – fast flow and strong mechanical performance for easy panel forming. Work life is 30 min

Thermoplastic Bonding

3M[™] Scotch-Weld[™] EC-7246-2 FST – excellent flow control for vertical applications. Not formulated with Antimony-Trioxide

Honeycomb Splicing and Edge Finishing

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST – low density expanding core splice film with FST (flame, smoke, toxicity) resistance



Other 3M Products (consumables)

To aid in your bonding, use 3M[™] Polyester Tapes 875 and 876. These non-silicone tapes provide a secure hold for composite parts manufacturing and metal bonding processes, even when exposed to high temperatures. In addition, they're easy to apply and remove cleanly, leaving no residue.

Aircraft Interiors Part Assembly & Installation



Everything you need to assemble your interior and complete the best-in-class design - from edge and void fillers, bracket-bonding, insert bonding, to corrosion prevention, sealants and thermal acoustic products. We have the complete solution to create a lighter, safer and quieter aircraft.

Aircraft Interiors Interior Part Assembly & Installation

Bracket Bonding

- Simple two-step process, apply and bond without having to use fixtures
- Instant hold with no sag or mess
- Low-flow for use in vertical or overhead applications

Floorboard Sealing

- Polysulfide sealant fills voids and seals fuselages
- Offers outstanding resistance to jet fuel, chemicals and petroleum products
- Fast cure, tack free in as little as 3 hours
- Low non-volatile content to reduce shrinkage and rework
- Easy to apply and work with

Corrosion Prevention

- Prevent fluids from reaching floorbeams and other metal structures
- Highly durable, puncture-resistant and Fire Retardant (FR) rated
- Conformable and easy to apply

Thermal and Acoustic Solutions from Aearo Technologies

- Fuselage and interior damping for a guiet, smooth flight
- Aircraft barriers to reduce noise and vibration in the cabin
- Supplemental type certificate (STC) kits for a variety of aircraft
- Parts Manufacturer Approval (PMA) certified materials

Temporary Protection Tapes

- Easy removal without surface residue
- Flame resistant
- Conform to curved and uneven surfaces

*Information on this page includes products from Aearo Technologies LLC, a 3M company.











Interior Part Assembly & Installation – Top Products

Bracket Bonding

3M[™] Scotch-Weld[™] EC-7202 B/A – no-sag eliminates support fixtures to help reduce waste and save time

Floorboard Sealing

3M[™] Aerospace Sealant AC-770 B 3M[™] Aerospace Sealant AC-735 B

Corrosion Prevention

3M[™] Polyurethane Protective Tape 8658DL – flame resistant tape meets FAR 25.852 for aircraft interior burn certifications and is used to seal floor panels

3M[™] Polyurethane Protective Tape 8663DL – moisture barrier tape that is used in wide areas or seam sealing applications and passes burn testing as a sandwich construct

3M[™] Polyurethane Protective Tape 8657DL – for wet-area corrosion prevention areas such as aircraft lavatories and galleys; flame resistant tape meets FAR 25.852 for aircraft interior burn certifications and is used for wide area applications

3M[™] Polyurethane Protective Tape 8666

Thermal and Acoustic Solutions

Aircraft Damping Composites – Aircraft Damping Composites (ADC) materials are low surface weight, high-performing aircraft damping composites for structural applications

ADC-11512 – specifically engineered for aircraft cruise altitude, optimized for temperatures between -40 $^{\circ}$ C and -5 $^{\circ}$ C

ADC-1312 – specifically engineered for fuselage and interior trim damping at temperatures between 10 °C and 30 °C

ADC-1512 – specifically engineered for fuselage damping at temperatures below -5 °C

Aircraft Barriers – our QL material is a proprietary low surface weight, high-performing noise control barrier for a variety of applications in the aircraft cabin

Attachment spikes, disks, and QL tape – attachment materials designed to help meet cabin requirements and speed kit installation

Temporary Protection Tapes

3M[™] Polyurethane Protective Tape 8547-1 – protects components from surface damage during manufacturing and transportation, and removes cleanly from a variety of substrates



Other Featured Products

3M Aerospace Paste Adhesives are available in a variety of work life, cure time and density to fit your specific design. Contact your local 3M sales representative or aerospace authorized distributor for more information.

Aircraft Exteriors Surface Prep



Succeed on tighter timelines and budgets with high-quality aerospace sealants that have superb shop-handling characteristics, light-weight, low VOC, fast cure times and various OEM approvals.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Aircraft Exteriors

Surface Pre-Treatment

- Excellent for preparing aluminum, and titanium alloy parts subsequently finished with epoxy-based and polyurethane-based organic coatings
- Helps reduce labor time and water usage; no scrubbing or rinsing required
- Superior adhesion of organic coatings to metal substrates
- Eliminates chromates from surface treatment process

Fuel Tank Sealants

- Universal sealants that can be used across fuel tank and fuselage applications
- Multiple OEM and MRO approvals
- Class B sealants help reduce shrinkage and rework for total cost reduction

Fuselage Sealants

- Non-Chromate Corrosion Inhibiting (NCCI) sealants available
- Excellent shop-handling characteristics including less stringing, low sag and optimized formulas to help reduce odor
- Easier application less effort to tool and shape

Non Chromate Corrosion Inhibitive Sealants

- Non-chromate corrosion inhibitive formula helps comply with chromate reduction initiatives
- Allows for total cost reduction; helps reduce shrinkage and rework
- Low density formula weighs 3-4 lbs. less per gallon than traditional sealants
- Helps process improvement; excellent tooling properties, easily applied and cures quickly







Helpful Tools

Product Configuration								
	Usage	Application						
CLASS A (Brushable)	For fasteners and brush-coat sealing	Brush applied						
CLASS B (Extrudable)	For fillet and injection seals; little to no flow (sag)	Usually applied with a sealant gun						
CLASS C (Rollable)	For fay surface seals	Applied using a roller or a sealant gun						

Adhesion Promoters

- Allows for faster initial adhesion build rate of polysulfide sealant
- One component formula for simple application
- Available in a water-based formula for solvent sensitive surfaces.

Tamper Proof Sealing

- One-part formula for convenient dispensing
- Protect settings and calibrations
- Indicates whether fastener has been tampered with or has moved.





Surface Prep – Top Products

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-131 BB & CB – version of sol gel appropriate for paint surface preparation

Fuel Tank Sealants

3M[™] Aerospace Sealant AC-380 3M[™] Aerospace Sealant AC-350

Fuselage Sealants

3M[™] Aerospace Sealant AC-770 3M[™] Aerospace Sealant AC-735

Non Chromate Corrosion Inhibitive Sealants

3M[™] Aerospace Sealant AC-735

Adhesion Promoters

3M[™] Adhesion Promoter AC-160 3M[™] Adhesion Promoter AC-137

Tamper Proof Sealing

3M[™] Scotch-Weld[™] Tamper Proof Sealant EC-1252 – available in blue, pink, yellow and white

Aerospace Polysulfide Sealants

Sealant	Fuel Tank	Fuselage	Fast Cure	Standard Density (1.5+)	Reduced Density (1.3-1.4)	Low Density (1.1)	No Solvent (Class B)	Non- Chromate Corrosive Inhibitive
AC-350 A,B	1	1	1		1		1	
AC-380 B	1	1	1			1	1	
AC-735 B		1	1			1	1	1
AC-770 B		1	1			1	1	





Other 3M Products (consumables)

Use 3M 231A masking tape and 471 vinyl tape for effective masking of aircraft lap joints, doublers and other sealant applications.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

CLICK FOR ONLINE PRODUCT INFORMATION

Aircraft Exteriors Surface Protection and Enhancement



You need to think ahead, to fix things before they're broken, to prevent errors before they happen. You need built-in, proactive protection. You need to take control of future issues while you still can – now.

3M surface protection solutions can help.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Aircraft Exteriors

Surface Protection and Enhancement

Structural Adhesive Surfacing and Lightning Strike Protection Films

- Resistant to effects of humidity exposure
- Cocure compatible with most epoxy composite pre-preg systems
- Excellent for surfacing composite parts

Advanced Composite Protection Cocure Films

- Game-changing technology for protecting advanced composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Unique flow capabilities to stack protection where you need it

Corrosion Prevention Tapes

- Prevent fluids from reaching floorbeams and other metal structures
- Highly durable and puncture-resistant with flame resistant options available
- Conformable and easy to apply

Rotor Blade Tapes

- Highly durable, long service life
- Meets several OEM specifications
- Protect rotor blades to avoid replacement

Military Grade Tapes

- Proven military use
- Available in various colors
- NSNs available









Aircraft Exteriors - Surface Protection and Enhancement

Commercial Grade Tapes

- Transparent tapes with a superior UV package
- Easy to apply and conforms to curved surfaces
- Can be painted over, or applied to painted surfaces

Fuel Cell/Anti-Chafe Tapes

- Adhere to a wide variety of substrates
- Solvent-free technology
- Conform to curvatures

FOD Impact Protection Tapes

- Extremely tough elastomer for aerospace applications
- Can be perforated for easier application
- Adheres to a wide variety of substrates

Indoor Grade Tapes

- Highly durable in challenging environments
- Easy to apply
- Constant adhesion and easy removal









Aircraft Exteriors - Surface Protection and Enhancement

Temporary Protection Tapes

- Easy removal without surface residue
- Flame resistant
- Conform to curved and uneven surfaces

Thermoformed Protection Boots

- Hundreds of pre-shaped shapes to meet your needs and prevents damage caused by rain and sand
- Can be formulated to be UV-stable to hold clarity and not yellow over time.
- Virtually no reduction in radar transmissivity
- **Urethane Repair Pastes / Edge Sealers**
- On-aircraft repairs, no vacuum bagging required
- Erosion resistance in the harshest conditions
- Tack free, flyable and fully cured in less than 24 hours

Application Accessories

- Allows to easily apply 3M[™] Polyurethane Protective Tapes and Boots
- Aids proper installation
- Easy to use and allows faster application













Surface Protection and Enhancement – Top Products

Structural Adhesive Surfacing and Lightning Strike Protection Films

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M & AF 325LS – available in white and blue versions

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536 – multiple film weight options available. Can be cured at either 250°F (120°C) or 350°F (175°C)

Advanced Composite Protection Cocure Films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

3M[™] Scotch-Weld[™] Repair Paste 2110 Kit – urethane paste designed for durable erosion resistance equivalent to original 3M film

3M[™] RP-2220

Corrosion Prevention Tapes

3M[™] Polyurethane Protective Tape 8658DL – flame resistant tape meets FAR 25.852 for aircraft interior burn certifications and is used to seal floor panels

3M[™] Polyurethane Protective Tape 8663DL – moisture barrier tape that is used in wide areas or seam sealing applications and passes burn testing as a sandwich construct

3M[™] Polyurethane Protective Tape 8657DL – for wet-area corrosion prevention areas such as aircraft lavatories and galleys. Flame resistant tape meets FAR 25.852 for aircraft interior burn certifications and is used for wide area applications

3M[™] Polyurethane Protective Tape 8666

Rotor Blade Tapes

3M[™] Polyurethane Protective Tape 8542HS – 10x better rain and sand erosion performance than 8663HS (43 mil thick)

3M[™] Polyurethane Protective Tape 8545HS & 8545NA – 7x better rain and sand erosion performance than 8663HS (22 mil thick) 3M[™] Polyurethane Protective Tape 8663HS Matte Black – meets multiple military specifications (18 mil thick)

Military Grade Tapes

3M[™] Polyurethane Protective Tape 8667HS – commonly used in industrial applications; erosion protection with high shear adhesive (28 mil thick)

 $3M^{M}$ Polyurethane Protective Tape 8681HS – available in matte clear and 36118, 36173, 36251, 36270, 36320 and 36375 grays (14 mil thick)

Commercial Grade Tapes

3M[™] Polyurethane Protective Tape 8671 and/or 8671HS

3M[™] Polyurethane Protective Tape 8672

3M[™] Polyurethane Protective Tape 8673 – best UV stability package and is 3M's first choice for exterior leading edge protection

3M[™] Polyurethane Protective Tape 8674 – *thinner version of 8673*

Fuel Cell/Anti-Chafe Tapes

3M[™] Polyurethane Protective Tape 8544 – prevents chafing of rivets on aircraft fuel cells and bladders

FOD Impact Protection Tapes

3M[™] Polyurethane Protective Tape 8641 – "Belly Tape" protects against small foreign object damage (FOD) on underside of aircraft. Impact protection tape – our thickest tape (41 mil thick)

Indoor Grade Tapes

3M[™] Polyurethane Protective Tape 8560 –*indoor grade, high-tack, repositionable, abrasion resistant (14 mil thick)*

3M[™] Polyurethane Protective Tape 8561 – indoor grade, impact and erosion resistance; commonly used in industrial applications (14 mil)

3M[™] Polyurethane Protective Tape 8562 – indoor grade, for isolation, abrasion resistant (8 mil) than 8663HS (43 mil thick)

Surface Protection and Enhancement – Top Products

Temporary Protection Tapes

3M[™] Polyurethane Protective Tape 8547 – protects components from surface damage during manufacturing and transportation

3M[™] Polyurethane Protective Tape 8547-1

Thermoformed Protection Boots

Visit 3M.com/boots to see a full list of available aerospace boots

Typical application areas: Radome, Winglet, Antenna

Urethane Repair Pastes / Edge Sealers

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also perfect for edge sealing

Application Accessories

3M[™] Protective Tape Application Solution – ready-to-use spray bottles save time and guesswork mixing – includes an application squeegee

3M[™] Adhesion Promoter 86A – allows for faster initial adhesion build rate of 3M[™] Polyurethane Protective Tapes and Boots



Other Featured Products

Corrosion Prevention Tapes

3M[™] Polyurethane Protective Tape 8658DL – flame resistant seam-sealing tape meets FAR 25.852 for aircraft interior burn certifications

3M[™] Polyurethane Protective Tape 8663DL – a transparent polyurethane protective tape that is qualified to multiple leading aircraft manufacturer specifications for corrosion prevention, wide area protection

3M[™] Polyurethane Protective Tape 8657DL – a white polyurethane protective tape that meets FAR 25.853. Corrosion prevention, wide area protection tape

3M[™] Polyurethane Protective Tape 8686 – meets FAR 25.853; thin and removable commonly used as an interior patch tape

25

CLICK FOR ONLINE PRODUCT INFORMATION

Aircraft Structures Composite Component Fabrication



Manufacture a toughened composite part with 3M products that bring you the best lightweight, durable and shop-handling characteristics in the industry. We have integrated composite protection and multiple composite bonding options to fot what your design calls for.

3M Structural Adhesive Bonding solutions can help.

Aircraft Structures

Composite Component Fabrication

Advanced Composite Protection Cocure Films

- Game-changing technology for erosion and abrasion protection of composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Able to be cocured with composite parts or post bonded with structural adhesives (built-in erosion protection)

Repair Pastes

- On-aircraft repairs, no vacuum bagging required
- Erosion resistance in the harshest conditions
- Tack free, flyable and fully cured in less than 24 hours

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performances
- Available in multiple cure temperatures







Aircraft Structures Composite Component Fabrication

Structural Adhesive Composite Surfacing Films

- Cocure compatible with most epoxy composite prepreg systems
- Smooth surfacing with minimal pinholes and imperfections
- Available in multiple cure temperatures

Structural Adhesive Lightning Strike Protection Film

- Cocure compatible with most epoxy composite prepreg systems
- Smooth surfacing with minimal pinholes and imperfections
- Available in multiple cure temperatures

• Strong, low-density formulas save weight

• Cartridge and bulk dispensing options available

Non-sag compound dispenses easily

Honeycomb Void Filler











Aircraft Structures Composite Component Fabrication

Paste Adhesives

- High peel and shear strength for aerospace applications
- Maintain bond strength at high and low temperatures
- FR and FST solutions available

Core Splice Structural Adhesive Films

- Thermally expanding films for gap filling
- High performance over a broad range of temperature
- Excellent shear strength even at elevated temperatures





Surface Protection and Enhancement – Top Products

Advanced Composite Protection Cocure Films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

3M[™] Polyurethane Protective Tape RP-2220

Repair Paste/Edge Sealers

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also perfect for edge sealing

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 126 and AF 126-2 – *250 °F (120 °C) cure*

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2 – 250°F (120 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2 – *dual cure 250°F (120 °C) or 350 °F (175 °C)*

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 555 – 350 °F (175 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191 – 350 °F (175 °C) cure.

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 131-2 – 350 °F (175 °C) cure

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Structural Adhesive Composite Surfacing Films

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M – available in white and blue versions. for color contrast

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536 – multiple film weight options available. Can be cured at either 250 °F (120 °C) or 350 °F (175 °C)

Structural Adhesive Lightning Strike Protection Film

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 LS – available in white and blue for color contrast

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536 – multiple film weight options available. Standard temperature cure from 250 °F (120 °C) up to 350 °F (175 °C)

Honeycomb Void Filler

3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A

3M[™] Scotch-Weld[™] Void Filling and Edge Sealing Compound EC-3500-2 B/A

3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR – a two-part, light-weight, flame-retardant epoxy compound designed for void filling, edge filling, and abradable compound applications

Paste Adhesives

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2214 – 350°F (175 °C) cure

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 B/A – room temperature cure

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2792 B/A – reaches handling strength in approximately 5 hours and is fully cured in 24 hours

Core Splice Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3002

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024 – highest expansion and lowest density of core splice films in our portfolio. Dual cure 250 °F (120 °C) or 350 °F (175 °C)

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028 and AF 3028FR

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST – low density expanding core splice film with FST (Flame, Smoke, Toxicity) resistance

Aircraft Structures Metal Component Fabrication



Rely on 3M engineered solutions for your aerospace metal part fabrication and make it easier to maintain lighter, safer and more fuel-efficient aircraft.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Aircraft Structures Metal Component Fabrication

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performances
- Available in multiple cure temperatures

Surface Pre-Treatment

- Excellent for preparing aluminum, stainless steel and titanium alloy parts subsequently finished with epoxy-based and polyurethane-based organic coatings.
- Helps reduce labor time and water usage; no scrubbing or rinsing required
- Eliminates chromates from surface treatment process

Structural Adhesive Bond Primers

- Corrosion inhibitive pigment allows for increased service life
- Protect high-cost surface preparation helps preserve Chemical Surface Preparation Prior to bonding
- Water based and non-chromate options available







Aircraft Structures Metal Component Fabrication

Paste Adhesives

- Excellent adhesion on primed or painted metal
- Maintain bond strength at high and low temperatures
- High peel and shear strength for aerospace applications



Core Splice Structural Adhesive Films

- Thermally expanding films for gap filling
- High performance over a broad range of temperature
- Excellent shear strength even at elevated temperatures



Metal Component Fabrication – Top Products

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 126 and AF 126-2 – *250 °F (120 °C) cure*

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2 – 250 °F (120 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2 – dual cure 250 °F (120 °C) or 350 °F (175 °C)

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 555 – 350°F (175 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191 – 350°F (175 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 131-2 – 350°F (175 °C) cure

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-130-2 – sol-gel based surface preparation for adhesive bonding of aluminum alloys, stainless steel and titanium

Structural Adhesive Bond Primers

3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3917– solvent based, chromated inhibitor Complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B – solvent based, chromated inhibitor. Complimentary to 250 °F (120 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5000 – water-based, chromated inhibitor. Complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5000AS – water based, non-chromated inhibitor. Complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5005 – water based, non-chromated inhibitor. Appropriate for use with AC 130-2 sol gel surface prep. Complimentary to both 250 °F (120 °C) and 350 °F (17 5°C) cure adhesive films

Paste Adhesives

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2214

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 B/A

3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9323-2 B/A

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2792 B/A – reaches handling strength in approximately 5 hours and is fully cured in 24 hours

Core Splice Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3002

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024 – highest expansion and lowest density of core splice films in our portfolio; dual cure 250 °F (120 °C) or 350 °F (175 °C)

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028 and AF 3028FR

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST – *low density expanding core splice film with FST (Flame, Smoke, Toxicity) resistance*



Other 3M Products (consumables)

Aircraft need the best abrasives available to assist with construction to maintenance. 3M offers a full line of abrasives including quick change discs, flap wheels, cartridge rolls, fiber discs and non-woven wheels, brushes, flap discs, hand pads, belts and more to fit your needs.

Aircraft Structures Assembly & Completions



3M structural solutions are driving new efficiencies and raising the bar for performance of aerospace components.

Aircraft Structures Assembly & Completions

Paste Adhesives

- Excellent adhesion on primed or painted metal
- Maintain bond strength at high and low temperatures
- High peel and shear strength for aerospace applications

Liquid Shim Adhesives

- Fast curing at ambient temperature
- Excellent adhesion and compression properties
- Extrudable from cartridges or bulk material

Bracket Bonding Adhesives

- Simple two-step process, apply and bond without having to use fixtures
- Instant hold with no sag or mess
- Low-flow for use in vertical or overhead applications









Aircraft Structures Assembly & Completions

Polysulfide Sealants

- Excellent shop-handling characteristics including less stringing and low sag
- Quick tack free times and short cure times for increased throughput



Tamper Proof Sealants

- One-part formula in multiple colors for convenient dispensing
- Self-extinguishing
- Numerous OEM approvals



Assembly & Completions – Top Products

Paste Adhesives

3M[™] Scotch-Weld[™] Epoxy Adhesive EC-2615 3M[™] Scotch-Weld[™] Structural Epoxy Adhesive EC-9323-2 B/A

Liquid Shim Adhesives

3M[™] Scotch-Weld[™] Advanced Liquid Shim EC-7272 B/A – Good for gap filling

Bracket Bonding Adhesive

3M[™] Scotch-Weld[™] Bracket Bonding Adhesive EC-7202 B/A – cures within 90 minutes to handling strength

Polysulfide Sealants

Ideal for fuel tank and fuselage sealing applications 3M[™] Aerospace Sealant AC-350 A, B 3M[™] Aerospace Sealant AC-370 B 3M[™] Aerospace Sealant AC-380 B

Tamper Proof Sealants

3M[™] Scotch-Weld[™] EC-1252 – available in white, pink, blue and yellow



Other 3M Products (consumables)

Ensuring technicians' safety during heavy check operations is of vital importance. From eye, hearing and respiratory protection, to coveralls and fall protection, look to 3M for a robust catalog of personal protective equipment.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

CLICK FOR ONLINE PRODUCT INFORMATION

Propulsion Engine Components



3M has a long successful history in the use of structural adhesives for bonding metal to composite. Learn more.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Propulsion Engine Components

Surface Pre-Treatment

- Eliminates chromates from surface treatment process
- Allows for out-of-tank preparation of metal substrates

Structural Adhesive Bond Primers

- Corrosion inhibitive pigment allows for increased service life
- Protect high-cost surface preparation helps preserve Chemical Surface Preparation Prior to bonding
- Water based and non-chromate options available

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performance on composite substrates
- Available in multiple cure temperatures

Advanced Composite Protection Cocure Films

- Game-changing technology for erosion and abrasion protection of composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Able to be cocured with composite parts or post bonded with structural adhesives (built-in erosion protection)











Propulsion Engine Components

Urethane Repair Pastes

- Urethane paste designed for durable erosion resistance equivalent to original 3M film
- In-place repairability of cured 3M Cocure film helps reduce waste and downtime
- No intentionally added solvent in composition helps reduce shrinkage and rework

Fan Track Abradable / Void Fillers

- Increases engine efficiency due to effective fan blade sealing
- Compound is sandable within 3 hours of mixing to reduce cycle time
- Numerous OEM approvals





Engine Components – Top Products

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-130-2 –sol-gel based surface preparation for adhesive bonding of aluminum alloys, stainless steel and titanium

Structural Adhesive Bond Primers

3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3917– solvent based, chromated inhibitor. Complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B – Solvent based, chromated inhibitor. Complimentary to 250 °F (120 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5005 – water based, non-chromated inhibitor; appropriate for use with AC 130-2 sol gel surface prep; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Advanced Composite Protection Cocure Films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

Urethane Repair Pastes

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also perfect for edge sealing

Fan Track Abradable / Void Fillers

3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR – a two-part, light-weight, flame-retardant epoxy compound designed for void filling, edge filling, and abradable compound applications

3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A



Other 3M Products

3M[™] Nextel[™] Ceramic Fibers and Textiles for Aerospace – Nextel ceramic textiles can withstand extremely high temperatures and are extraordinarily durable, yet are also flexible and lightweight. Proven in flight and in space, they have long been used to manufacture seals and heat blankets that protect metal and composite components from engine heat and fire. Nextel ceramic fibers are also used to reinforce Ox-Ox Ceramic Matrix Composites (CMCs) for exhaust components and heat shields.



3M solutions for honeycomb core structure such as engine nacelles include surface preparation, corrosion inhibiting bond primers, structural adhesives and surfacing films. Learn more.

Surface Pre-Treatment

- Helps reduce labor time and water usage
- Eliminates chromates from surface treatment process
- Allows for out-of-tank preparation of metal substrates

Structural Adhesive Bond Primers

- Corrosion inhibitive pigment allows for increased service life
- Protect high-cost surface preparation helps preserve Chemical Surface Preparation Prior to bonding
- Water based and non-chromate options available

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performance on both metal and composite substrates
- Available in multiple cure temperatures

Core Splice Structural Adhesive Films

- Thermally expanding films for gap filling
- High performance over a broad range of temperature
- Excellent shear strength even at elevated temperatures











Advanced Composite Protection Cocure Films

- Game-changing technology for erosion and abrasion protection of composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Able to be cocured with composite parts or post bonded with structural adhesives (built-in erosion protection)



Urethane Repair Pastes

- Urethane paste designed for durable erosion resistance equivalent to original 3M film
- In-place repairability of cured 3M Cocure film helps reduce waste and downtime
- No intentionally added solvent in composition helps reduce shrinkage and rework



Fan Track Abradable / Void Fillers

- Increases engine efficiency due to effective fan blade sealing
- Compound is sandable within 3 hours of mixing to reduce cycle time
- Numerous OEM approvals



Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Structural Adhesive Surfacing and Lightning Strike Protection Films

- Resistant to effects of humidity exposure during manufacture
- Cocure compatible with most epoxy composite pre-preg systems
- On both metal and composite substrates

Thermoformed Boots

- Hundreds of pre-formed shapes to meet your needs and prevents damage caused by rain and sand
- UV-stable polyurethane holds its clarity and minimal yellowing over time
- Virtually no reduction in transmissivity







Propulsion Nacelle – Top Products

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-130-2 – sol-gel based surface preparation for adhesive bonding of aluminum alloys, stainless steel and titanium; reduces hazardous materials from the bonding surface preparation process

Structural Adhesive Bond Primers

3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3917– solvent based, chromated inhibitor; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B – solvent based, chromated inhibitor; complimentary to 250 °F (120 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5005 – water based, non-chromated inhibitor; appropriate for use with AC 130-2 sol gel surface prep; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Core Splice Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3002

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024– highest expansion and lowest density of core splice films in our portfolio; dual cure 250 °F (120 °C) or 350 °F (175 °C)

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST – low density expanding core splice film with FST (Flame, Smoke, Toxicity) resistance

Advanced Composite Protection Cocure films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

Urethane Repair Pastes

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also perfect for edge sealing

Fan Track Abradable / Void Fillers

3M[™] Scotch-Weld[™] Void Filling Compound EC-3515 B/A FR

3M[™] Scotch-Weld[™] Core Splice Adhesive EC-3500 B/A – superior compressive strength of 6000 psi with only 0.64 g/cm density

Structural Adhesive Surfacing and Lightning Strike Protection Films

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M & AF 325LS

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536

Thermoformed Boots

FP 151, FP 231, FP 232

Protect Your Crew

Products that work as hard as you do. From the most basic to the most specialized needs, 3M offers the health and safety protection you and your workers need most, so everyone can perform at their best.

Propulsion Fan Blades



Structural adhesive bonding for high temperature applications and bonded-in composite erosion protection solutions are just the start. Learn more about 3M fan blade/cold-side engine applications.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Propulsion **Fan Blades**

Surface Pre-Treatment

- Helps reduce labor time and water usage
- Eliminates chromates from surface treatment process
- Allows for out-of-tank preparation of metal substrates

Structural Adhesive Bond Primers

- Corrosion inhibitive pigment allows for increased service life
- Protect high-cost surface preparation helps preserve Chemical Surface Preparation Prior to bonding
- Water based and non-chromate options available

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performance on composite substrates
- Available in multiple cure temperatures

Structural Adhesive Composite Surfacing Films

- Cocure compatible with most epoxy composite prepreg systems
- Smooth surfacing with minimal pinholes and imperfections
- Available in multiple cure temperatures











Propulsion Fan Blades

Advanced Composite Protection Cocure Films

- Game-changing technology for erosion and abrasion protection of composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Able to be cocured with composite parts or post bonded with structural adhesives (built-in erosion protection)



Urethane Repair Pastes

- Urethane paste designed for durable erosion resistance equivalent to original 3M film
- In-place repairability of cured 3M cocure film helps reduce waste and downtime
- Composition helps reduce shrinkage and rework



Propulsion Fan Blades – Top Products

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-130-2 – sol-gel based surface preparation for adhesive bonding of aluminum alloys, stainless steel and titanium

Structural Adhesive Bond Primers

3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3917– solvent based, chromated inhibitor; complimentary to both 250 °F (120 °C) and 350 °F (175°C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B – Solvent based, chromated inhibitor; complimentary to 250 °F (120 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5005 – water based, non-chromated inhibitor; appropriate for use with AC 130-2 sol gel surface prep; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191 – 350 °F (175 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2 – 250 °F (120 °C) cure

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2 – dual cure 250 °F (120 °C) or 350 °F (175 °C)

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Structural Adhesive

Composite Surfacing Films

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 325 M & AF 325LS – available in white and blue versions

3M[™] Scotch-Weld[™] Composite Surfacing Film AF 536 – multiple film weight options available; can be cured at either 250 °F (120 °C) or 350 °F (175 °C)

Advanced Composite Protection Cocure Films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

Urethane Repair Pastes

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also could be used for edge sealing

Propulsion Rotor Blades



3M has long been the supplier of choice for challenging helicopter rotor blade bonding and surface protection applications. Learn more.

Propulsion Rotor Blades

Surface Pre-Treatment

- Helps reduce labor time and water usage
- Eliminates chromates from surface treatment process
- Allows for out-of-tank preparation of metal substrates

Structural Adhesive Bond Primers

- Corrosion inhibitive pigment allows for increased service life
- Protect high-cost surface preparation Helps Preserve Chemical Surface Preparation Prior to Bonding
- Water based and non-chromate options available

Structural Adhesive Films

- High fracture toughness and peel strength
- Excellent pre-bond humidity performance on composite substrates
- Available in multiple cure temperatures

Core Splice Structural Adhesive Films

- Thermally expanding films for gap filling
- High performance over a broad range of temperature
- Excellent shear strength even at elevated temperatures









Propulsion Rotor Blades

Advanced Composite Protection Cocure Films

- Game-changing technology for erosion and abrasion protection of composite parts
- Processing temperatures up to 400 °F and service temperatures up to 250 °F
- Able to be cocured with composite parts or post bonded with structural adhesives (built-in erosion protection)

Polyurethane Protection Films and Tapes

- Highly durable, long service life
- Meets several OEM specifications
- Protect rotor blades to avoid replacement

Urethane Repair Pastes

- Urethane paste designed for durable erosion resistance equivalent to original 3M film
- In-place repairability of cured 3M cocure film helps reduce waste and downtime
- Helps reduce labor time and water usage

Thermoformed Boots

- Hundreds of pre-formed shapes to meet your needs and prevents damage caused by rain and sand
- UV-stable polyurethane holds its clarity and minimal yellowing over time
- Virtually no reduction in transmissivity











Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Propulsion Rotor Blades – Top Products

Surface Pre-Treatment

3M[™] Surface Pre-Treatment AC-130-2 – sol-gel based surface preparation for adhesive bonding of aluminum alloys, stainless steel and titanium

Structural Adhesive Bond Primers

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-3924B – solvent based, chromated inhibitor; complimentary to 250 °F (120 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesive Primer EC-3917– solvent based, chromated inhibitor; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

3M[™] Scotch-Weld[™] Structural Adhesives Primer EC-1660

3M[™] Scotch-Weld[™] Structural Adhesive Primer EW-5005 – water based, non-chromated inhibitor; appropriate for use with AC 130-2 sol gel surface prep; complimentary to both 250 °F (120 °C) and 350 °F (175 °C) cure adhesive films

Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 3109-2 – *dual cure 250 °F (120 °C) or 350 °F (175 °C)*

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 163-2 – *250 °F (120 °C) cure*

3M[™] Scotch-Weld[™] Structural Adhesive Film AF 191 – *350 °F (175 °C) cure*

3M[™] Scotch-Weld[™] Epoxy Adhesive AF 30

For new applications for structural adhesive films please contact your 3M sales representative for guidance on product section.

Core Splice Structural Adhesive Films

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3024

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3002

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3028

3M[™] Scotch-Weld[™] Structural Core Splice Film AF 3074 FST

Advanced Composite Protection Cocure Films

3M[™] Polyurethane Protective Tape 8730NA – (12 mil thick)

3M[™] Polyurethane Protective Tape 8732NA – (24 mil thick)

3M[™] Polyurethane Protective Tape 8734NA – (6 mil thick)

Polyurethane Protection Films and Tapes

3M[™] Polyurethane Protective Tape 8545HS

3M[™] Polyurethane Protective Tape 8542HS

3M[™] Polyurethane Protective Tape 8999 K11 Rotor Blade Protection Kit

UH-60M: SJ8542HS FP641 Patch

3M[™] Polyurethane Protective Boot SJ 8542 HSFP637 Boot

3M[™] Polyurethane Protective Boot SJ8542HS FP-641 (UH-60M)

Urethane Repair Pastes

3M[™] Scotch-Weld[™] Repair Paste 2110 – black repair paste used with our black protective tapes

3M[™] Scotch-Weld[™] Repair Paste 2220 – clear repair paste used with our transparent tapes, also perfect for edge sealing

Thermoformed Boots

FP 637, FP 532, FP 557, FP 558, FP 595

One source. Many solutions. 3M Aircraft MRO Heavy Check



From adhesives to abrasives and films, from tapes to safety products, 3M has a deep and extensive offering of solutions tailored specifically for the aerospace industry.

Please ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

Aircraft MRO Heavy Check Applications



Abrasives

Engineered to last longer, 3M's diverse and distinct family of abrasives help return surfaces to their original state.

- Abrasives for Structural Repair
- Light Corrosion and Sealant Removal
- Sand Fairings and Flight Control Surfaces
- Abrasives for Composites
- Decal and Placard Removal on Metal
- Metal Stress Relieving



Aircraft Graphics

3M[™] graphics and films help preserve and enhance an aircraft's appearance.

• Interior



Aircraft Painting

Achieve a clean and smooth surface to apply paint and decorative livery with a breadth of 3M[™] aircraft painting solutions.

- Chemically Strip and/or Sand
- Surface Preparation and Primer Application
- Base Coat and Paint Application, Striping, Livery and Clear Coat
- Detail Finish and Repair



Cleaning

Prevent corrosion and inspire confidence with an extensive offering of 3M[™] products that will help you clean surfaces inside and out.

- General Cleaning
- Interior
- Exterior
- Seat Track Cleaning



Composite Repair

To ensure the strongest and longest lasting bond, rely on 3M and our vast offering of tapes, abrasives and adhesives designed for composite maintenance.

- Tapes for Composite Repair
- Adhesives for Composite Repair
- 3M[™] Scotch-Weld[™] Epoxy Adhesives and Accessories



Corrosion Management

Preventing and removal of corrosion is critical in ensuring the long-term viability of an aircraft. Rely on 3M's corrosion management solutions.

- Wet Area Corrosion Prevention
- Corrosion Removal

Aircraft MRO Heavy Check Applications



Electrical Systems and Maintenance

Protecting electrical systems from the elements ensures critical systems function properly. Trust 3M electrical tapes to get the job done.

• Tapes



Engine Overhaul

Engine overhaul is key to prolonging the life of an aircraft and making the aircraft safer to fly. 3M offers excellent solutions for your engine overhaul needs.

- Metal Stress Relieving
- Surface Protection Film Repair
- Abradable Compound
- Fluid Containment



Personal Safety

Help protect employees during the heavy check process with 3M products for personal safety. Our robust catalogue of personal protective equipment can help your team get the job done safely.

- High Noise Environments
- Fall Protection Safety
- Head, Eye and Face Protection
- Respiratory Exposures
- Welding Safety
- Confined Spaces



Sealing, Bonding and Joining

Proper sealing of critical aircraft parts and structure ensures effective bonding and joining of nonstructural components. We offer a variety of solutions designed to work in the harshest conditions.

- Sealants
- Sealant Removal
- Bonding
- Joining
- Cargo Compartment Sealing
- Decorative Laminate Bonding



Specialty and Processing Aid Tapes

To deliver maximum efficiency during the heavy check process, rely on 3M[™] tapes to ensure parts are properly labelled, protected and processed.

- Adhesion Testing Tapes
- Temporary Part Marking
- Metal Processing Tapes
- Welding Protection Tapes
- Media Blasting
- Floor Marking Tapes
- Vibration Damping Tapes



Surface Protection

Make surfaces look better and last longer with 3M. Our categoryleading solutions help protect and preserve surfaces on aircraft and in your facility.

- Temporary Protection for Parts, Carpets or Facilities
- Erosion Protection and Edge Sealing
- Chemical Protection
- Impact Protection
- Chafing Protection

Aircraft Painting Broad solutions. Beautiful Results.



True excellence in aircraft painting requires products that work – not just at a glance, but below the surface and behind the scenes. 3M delivers with a broad range of solutions for performance, reliability and added efficiency from strip/sand to surface prep to sealing.

You're Fully Covered

Chemically Strip and/or Sand

3M provides the right solutions for comprehensive cleaning, paint removal, masking and sanding procedures. 3M[™] Cubitron[™], Scotch-Brite[™] and Versaflo[™] brands, among others, deliver reliable performance and protection inside and outside the aircraft.

0000000

00000000000

- **1.** Protecting Aircraft Interior
- 2. Clean & Wash Aircraft
- 3. Masking
- 4. Applying Paint Stripper
- 5. Removing Paint Residue



Preparing surfaces for painting requires some of the most precise solutions for aircraft maintenance, repair and operations. 3M provides world-class masking solutions, pre-treatments, primer application equipment and personal protective equipment for almost every phase of the job.

- 1. Remasking
- 2. DeOxidizing Aluminum Surfaces
- 3. Applying Surface PreTreatment
- 4. Applying Primer





Base Coat and Paint Application, Striping, Livery and Clear Coat

It's not enough just to create the right patterns and colors in the right places. Through our 3M[™] Accuspray[™] spray gun system and our 3M[™] PPS[™] Paint Preparation System of disposable paint cups, 3M ensures that you apply coatings quickly and efficiently as well.

- 1. Applying Base Coat
- 2. Painting Stripes & Decorative Livery
- 3. Painting Composite Fairings & Access Panels

Detail Finish and Repair

When the right finish really matters, 3M delivers. Our critical edge masking tapes, time-honored Wetordry[™] and Trizact[™] abrasives designed specifically for the finishing, high-performance sealants and more provide results that stand up to scrutiny.

- 1. Painting Touch-Ups
- 2. Paint Defect Repairs
- **3. Applying Sealants**

A Century of Science. The Full Depth of Solutions.

Cleaning

3M[™] Doodlebug[™] Pad Holder 6472 Scotch-Brite[™] Aircraft Cleaning Pad

Abrasives, Sanding and Buffing

3M[™] Cubitron[™] II Film Disc 775L 3M[™] Cubitron[™] II Hookit[™] Clean Sanding Film Disc 775L Scotch-Brite[™] Hand Pad 7447 3M[™] Elite Random Orbital Sanders Scotch-Brite[™] 7447 PRO Disc 3M[™] Trizact[™] Hookit[™] Foam Abrasive Disc 443SA 3M[™] Trizact[™] Hookit[™] Clear Coat Sanding Abrasive Disc 471LA 3M[™] Trizact[™] Finesse-it[™] Film Disc Roll 466LA 3M[™] Finesse-it[™] Polish - K211 3M[™] Buffers 3M[™] Purple Finishing Film Abrasive Disc 260L 3M[™] Perfect-It[™] EX AC Rubbing Compound 3M[™] Perfect-It[™] EX Machine Polish 3M[™] Perfect-It[™] EX Ultrafine Machine Polish 3M[™] Hookit[™] Dust Free Sanding Block 3M[™] Hookit[™] Purple Clean Sanding Abrasive Disc

Masking

3M[™] High Performance Green Masking Tape 401+ 3M[™] Aluminum Foil Tape 425 PL1308 3M[™] Aluminum Foil Tape 427 3M[™] Plastic Sheeting 3M[™] Vinyl Tape 471 3M[™] Vinyl Tape 471+ 3M[™] Paint Masking Tape 231/231A Scotch[®] Fine Line Tape 218 3M[™] Hand-Masker[™] Advanced Masking Film 3M[™] Masking Paper Scotch[®] Solvent Resistant Masking Tape 226 3M[™] High Performance Masking Tape 232 3M[™] Performance Masking Tape 2380

Surface Protection

3M[™] Dirt Trap Protection Material Floor Applicators

- 3M™ Dirt Trap Protection Material
- 3M[™] Self-Stick Liquid Protection Fabric
- 3M™ Dirt Trap Protection Material Dispenser
- 3M[™] Dirt Trap Protection Material Wall Applicator

Painting

3M[™] Accuspray[™] ONE Spray Gun System with Standard PPS[™] 3M[™] High Power Spray Gun Cleaner 3M[™] PPS[™] Paint Preparation System 3M[™] PPS[™] Series 2.0 Spray Cup System 3M[™] Accuspray[™] Regulator and Air Flow Control Valve 3M[™] Surface Pre-Treatment AC-131

Safety Equipment

Eye, Hearing and Body Protection

- 3M[™] Disposable Protective Coverall 4540+
- 3M[™] Chemical Protective Coverall 4570
- 3M[™] SecureFit[™] Protective Eyewear Family
- 3M[™] GoggleGear[™] 500 Series GG501SGAF, Clear Scotchgard[™] Anti-fog lens
- 3M[™] E-A-R[™] UltraFit[™] Earplugs 340-4004
- 3M[™] E-A-R[™] Reusable Earplugs
- 3M[™] PELTOR[™] X4 Earmuffs X4A/37273(AAD), Over-the-Head
- 3M[™] Ratchet Headgear H8A with 3M[™] Clear Polycarbonate Faceshield WP96

Respiratory

- 3M[™] Versaflo[™] Powered Air Purifying Respirator Painters Kit TR-800-PSK/94248(AAD)
- 3M[™] Ultimate FX Full Facepiece Reusable Respirator, FF-400 Series
- 3M[™] Organic Vapor/Acid Gas Cartridge/Filter 60923, P100
- 3M[™] Particulate Respirator 8511, N95
- 3M[™] Particulate Filter 2097/07184(AAD), P100, with Nuisance Level Organic Vapor Relief
- 3M[™] Rugged Comfort Half Facepiece Reusable Respirator, 6500 Series

Fall Protection

- 3M[™] DBI-SALA[®] Delta[™] Vest-Style Resist Web Harness 1110994
- 3M™ DBI-SALA® Web Scaffold Choker 1201390
- 3M[™] DBI-SALA[®] Nano-Lok[™] Quick Connect Self Retracting Lifeline, Web 3101225

Sealants

3M[™] Aerospace Sealant AC-350 3M[™] Aerospace Sealant AC-380 3M[™] Aerospace Sealant AC-735

3M[™] Aerospace Sealant AC-770

3M, Accuspray, Cubitron, DBI-SALA, Delta, Doodlebug, E-A-R, Finesse-it, GoggleGear, Hand-Masker, Hookit, Nano-Lok, PELTOR, Perfect-It, PPS, Scotch, Scotch-Brite, SecureFit, Trizact, UltraFit, and Versaflo are trademarks of 3M Company and its affiliates.

CLICK FOR ONLINE PRODUCT INFORMATION



Thank you.

These products were manufactured under a 3M Quality Management System registered to the AS9100 standard.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, or tract, negligence, or strict liability.

Authorization to Use

Ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation

Automotive & Aerospace Solutions Division

3M Center

St. Paul, MN 55144-1000 1-800-235-2376 www.3M.com/aerospace

3M United Kingdom PLC 3M Centre, Cain Road Bracknell RG12 8HT Bershire +44 (0) 845 6025 237 www.3M.co.uk

3M France

1 Parvis de l'Innovation, 95000 Cergy, France Tel: +33-1-30-31-61-61 www.3Mfrance.fr 3M Germany Carl-Schurz-Straße 1, 41460 Neuss +49-2131-140 www.3Mdeutschland.de

3M Canada 300 Tartan Dr, London, ON N5V 4M9, Canada +1-519-451-2500 www.3Mcanada.ca

3M Brazil Via Anhanguera, s/n - Nova Veneza, Sumaré - SP, 13181-900, Brazil +55-800-013-2333 www.3M.com.br **3M Japan Limited** 6-7-29 Kita-Shinagawa, Shinagawa-ku, Tokyo 141-8684, Japan +81-3-6409-3800 www.3Mcompany.jp

3M China 8 Xingyi Rd, Hong Qiao, Changning District, Shanghai, China www.3M.com.cn

3M India UB City, Block Concorde, 24, Vittal Mallya Road, KG Halli, Shanthala Nagar, Ashok Nagar, Bengaluru, Karnataka 560001 1-800-425-3030 www.3Mindia.in