



Interior Adhesive Solutions

Meet OEM specifications and aviation regulations with weight-saving, time-saving, strong-bonding interior solutions.

Solutions designed to fit your process.

Streamline operation. Win more OEM contracts. Find bonding solutions for all parts of an aircraft interior — plus the equipment to use them. Evolved from an ongoing collaboration between 3M scientists and OEM engineers, our adhesive solutions deliver exceptional mechanical performance, low density, optimal mixing, flexible cure times and exceptional durability.

- Meet the demanding requirements for quality, safety and weight
- Comply with FAA and EASA regulations
- Designed with REACH and RoHS compliance in mind
- Stored, applied and cured at room temperature
- Pumpable solutions fit within automated manufacturing
- Help reduce cycle time and manufacturing costs
- Global supply chain



3M Automotive and Aerospace Solutions Division



Overhead bins



Ceiling panels/ducts/ passenger service units (PSU)



Seats/cup holders/ sidewall panels



Monuments



Crew rest areas



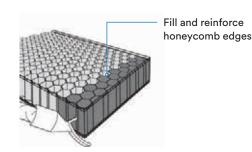
Featured products

Spend more time building and less time filling.

3M[™] Edge and Void Fillers

Pump up productivity. Designed for filling mismatched areas and voids and reinforcing edges, 3M pumpable edge and void filling compounds combine high strength with industry-leading low density.

- ► Fully automated mixing and pumping for accelerated application process
- Lightweight compounds with a variety of cure speeds and compressive strengths
- ► Non-brittle property minimizes chipping and allows insert placement
- Non-sag property reduces touch-ups and rework
- FR and FST options





| Product | Туре | Hand mix | Extrudable (cartridge) | Colour | FR / FST | Compressive strength at room temperature MPa | Cured density (g/cm³) |
|---|----------|----------|---------------------------|----------------|-------------|--|--------------------------|
| 3M [™] Scotch-Weld [™] Void Filling Compound 3450 FST | One-part | No | Yes | Light brown | FST | 33* | 0.64 |
| 3M [™] Scotch-Weld [™] Void Filling Compound 3524 B/A FST | Two-part | Yes | No | Grey | FST | 23 | 0.55 |
| 3M [™] Scotch-Weld [™] Void Filling Compound EC-3550 B/A FST | Two-part | No | Yes | Light brown | FST | 24 | 0.58 |

*Cured at 125°C for 60 minutes

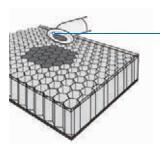
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Build lighter, stronger panels with less labour.

3M[™] Core Reinforcement

Reinforce honeycomb and sandwich structures in load-bearing areas, such as overhead stowage compartments, partition walls, ceiling panels, galleys and lavatories. Our pumpable solutions save production time and labour costs — simply place cartridge in dispenser, add a nozzle and apply.

- Low density reduces weight of cabin furnishing
- Fully pumpable and automated for less hand work
- Fast cure at room temperature improves efficiency
- Moisture barrier and vibration dampener
- High compressive strength
- Designed to help users minimize their impact on the environment
- Thixotropic properties offer controlled flow and self levelling



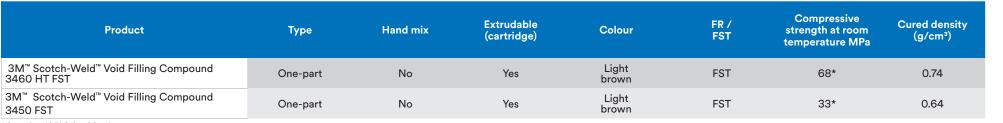
Featured products

Fill and reinforce load-bearing areas





| | • | | | |
|--|---------|--|------|--|
| | | | | |
| | Product | | Туре | |
| | Froduct | | Type | |



*Cured at 125°C for 60 minutes



Meet strength requirements with half the weight.

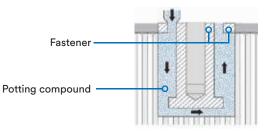
3M[™] Potting Compounds

Need to cut weight from a ship-set? Apply 3M potting compounds, designed with high shear and torque strength, class-leading low density, easy flow for easy application and fast cure times. Our 3M glass bubble technology reduces weight, delivers high strength-to-weight ratio and has a consistent fast flow through dispensers. Easy-to-handle viscosity and fully pumpable systems save time and improve operational efficiency.

- Attach panel inserts quickly, consistently and securely
- Low viscosity enables extruding and pumping with automated dispensing equipment
- Fast cure at room temperature yields higher manufacturing throughout
- Advanced formulation results in consistent density during both storage and automated pumping

1/2 the weight of traditional structural bonding adhesives

< 0.7g/cc



| Product | Туре | Extrudable (cartridge) | Bulk dispensable | Adhesive chemistry | Cured density (g/cm³) | FR/FST | Colour (mixed) | Room temperature OLS (Overlap Shear Strength) MPa (psi) | Handling strength at room temperature | Full cure at room temperature |
|--|----------|---------------------------|---------------------|-----------------------|--------------------------|--------|-------------------|---|---|-------------------------------------|
| 3M [™] Scotch-Weld [™] Epoxy Adhesive EC-7246-2 B/A FST | Two-part | Yes | Yes | Ероху | 1.44 | FST | Beige | 15 (2180) | 5 hours | 7 days |
| 3M [™] Scotch-Weld [™] Epoxy Adhesive EC-3542 B/A FR | Two-part | Yes | Yes | Ероху | 0.70 | FR | White | 13.3 (1927) | Available on request | 7 days |





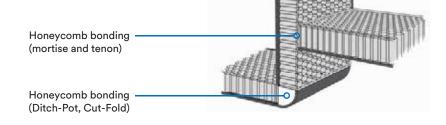
Featured products

The perfect cure for your operation.

3M[™] Honeycomb Bonding

There can be no compromise when it comes to reliability. 3M honeycomb bonding solutions stand up to challenging conditions and offer operational flexibility, with a work life as short as 4 minutes or as long as 5 hours. Superior mechanical properties allow you to achieve high durability and light-weighting goals. These proven adhesives answer the demand for strength while enabling more compact and lightweight designs.

- Maximum shear, compressive and peel strength, based on your design and process parameters
- > Fast to moderate handling strength time offers operational flexibility
- Highly durable to help provide high impact resistance
- Cure at room temperature
- Thixotropic properties offer controlled flow and sag
- FR and FST options

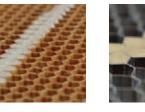


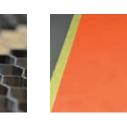
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|--|----------|---------------------------|---------------------|-----------------------|--------------------------|--------|-------------------|---|---|-------------------------------------|
| 3M [™] Scotch-Weld [™] Epoxy Adhesive EC-7246-2 B/A FST | Two-part | Yes | Yes | Ероху | 1.44 | FST | Beige | 15 (2180) | 5 hours | 7 days |
| 3M [™] Scotch-Weld [™] Epoxy Adhesive EC-9300 B/A FST | Two-part | Yes | Yes | Ероху | 1.2 | FST | Light brown | 29 (4207) | 10 to 15 hours | 7 days |
| 3M [™] Scotch-Weld [™] Epoxy AdhesiveEC-2815 B/A FR | Two-part | Yes | Yes | Ероху | 1.4 | FR | Light grey | 34.5 (5000) | Available on request | 24 hours |

Structural Adhesive Core Splice Films

3M low density, expandable, epoxy core splice adhesive films are designed to fill mismatched areas and gaps, splice honeycomb cores and finish edges of sandwich panels. These thermally expanding films are perfect for typical industry cure cycles of 120°C - 180°C. Developed to be co-cured with structural adhesive films and composite prepregs, they save time in manufacturing by eliminating post-cure finishing processes.









| Product name | Colour Cure temp. (°C | | Tube shear st | trength (MPa) ⁺ cເ | ıred at 125°C | |
|--|-----------------------|---------|---------------|-------------------------------|---------------|--|
| rioucchane | Colour | | -55°C | 24°C | 82°C | |
| 3M [™] Scotch-Weld [™] Structural Core Splice Adhesive Film AF 3070 FST | Light red/ brown | 125/175 | 11.3 | 7.1 | 4.8 | Completely halogen free FST system An expansion range of 50-75% for a 120°C cure Low density product |
| 3M [™] Scotch-Weld [™] Structural Core Splice Adhesive Film AF 3074 FST | Grey | 120/180 | 13 | 13 | 12 | High and repeatable expansion rate Compatible with 120°C and 180°C cure cycles Extended shop and shelf life at room temperature. |



The easy solution for hard-to-bond surfaces.

3M[™] Thermoplastic Bonding

For bonding challenging materials together, this is a game changer. It's perfect for glassphenolic composites and thermoplastic materials, including Polycarbonate (PC), Polyphenyl Sulfone (PPSU), Polyether Imide (PEI) and Acrylic-PVC. Use on tray tables, seat back covers, international first-class surrounds and more.

- Designed for interior substrates, such as glass-phenolic composites, aluminium and hard to-bond thermoplastics
- Can be used on metal and composite surfaces
- Very low sag formulation delivers controlled flow for vertical applications
- FST compliant





| | Product | Туре | Extrudable (cartridge) | Bulk dispensable | Adhesive chemistry | Cured density (g/cm³) | FR/FST | Colour (mixed) | Room temperature OLS (Overlap Shear Strength) MPa (psi) | Handling strength at room temperature | Full cure at room temperature |
|---|--|----------|---------------------------|---------------------|-----------------------|--------------------------|--------|-------------------|---|---|-------------------------------------|
| I | 3M [™] Scotch-Weld [™] Epoxy Adhesive EC-7246-2 B/A FST | Two-part | Yes | Yes | Ероху | 1.44 | FST | Beige | 15 (2180) | 5 hours | 7 days |





Give private jets a first-class finish in minutes.

3M[™] Decorative Bonding

Need to bond wood veneers for an executive finish? Our durable bonding solution holds strongly and dries quickly in many different environments, including high temperatures.

- Bond in 20 minutes or less
- Can also be used for bonding gaskets and attaching de-icing boots
- High strength and temperature resistance
- Creates an even, consistent adhesive layer



Featured products

3M[™] Scotch-Weld[™] Adhesive EC-1357

- Quick dry time with controlled flow
- Easily applied by spray, brush or roller to save time
- ► FR compliant in configuration

3M[™] Scotch-Weld[™] Contact Adhesive 2000NF

- Immediate bonding capabilities and handling strength without forced drying equipment
- Bonds to a wide variety of substrates

3M[™] Scotch-Weld[™] Contact Adhesive 30

- Water dispersed, sprayable contact adhesive with high bond strength and long bonding range
- Solvent-free
- Stays very flexible when dry

3M[™] Fast Tack Water Based Adhesive 1000NF

- High performance water-based adhesive formulated for fast bonding and long term heat resistant bonds
- Adheres to a variety of substrates



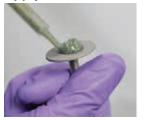
Fewer steps, increased productivity.

3M[™] Bracket Bonding

There are thousands of brackets in each airplane. Imagine how much time and money you could save with a faster, simplified process. Now imagine a revolutionary bracket adhesive that instantly holds — with no installation fixtures, no sag and no mess. Simply apply, bond and go.

- High green strength significantly reduces the need for installation fixtures
- Two steps apply and bond simplifies your process
- Low-flow adhesive can be used in vertical and overhead applications

STEP 1: Apply adhesive to bracket



STEP 2 : Bond to desired surface



 \mathbf{Go} – no support needed



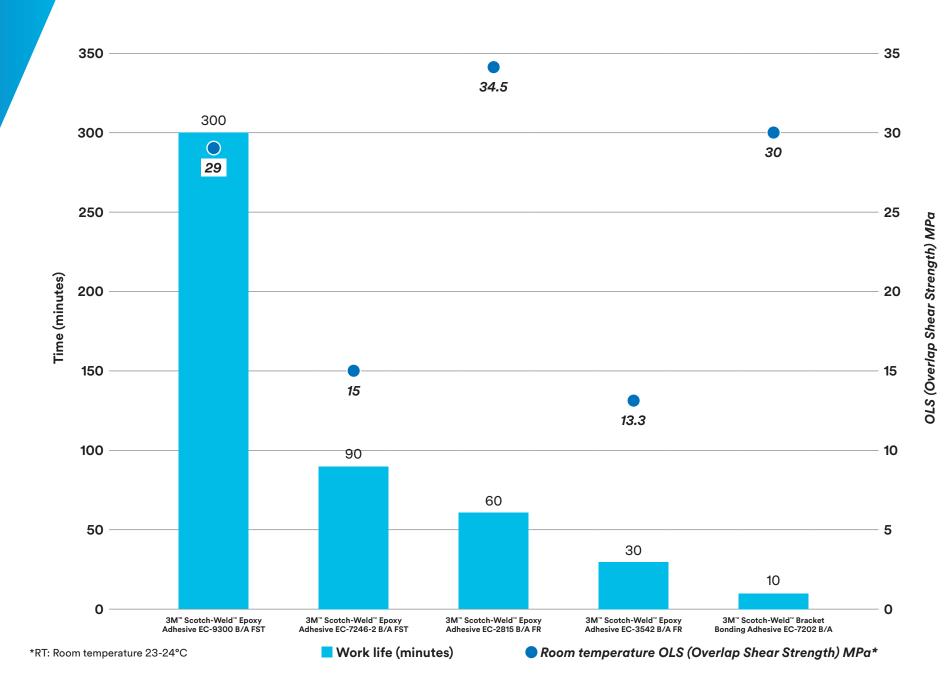
Ideal for bonding fasteners, brackets and pins

> 90 minutes cure time to handling strength



Bonding Solutions Bracket

| Product | Туре | Extrudable (cartridge) | Adhesive chemistry | Colour (mixed) | | Room temperature OLS (Overlap Shear Strength) MPa (psi) | Handling Strength at room temperature |
|--|----------|---------------------------|--------------------|-------------------|--------|---|---|
| 3M [™] Scotch-Weld [™] Bracket Bonding Adhesive EC-7202 B/A | Two-part | Yes | Ероху | Olive Green | 10 min | 30 (4351) | 90 mins |



Get the right applicator for your application.

3M[™] Dispensing Solutions

Enhance production rates, reduce rework and get accurate adhesive placement.



- Pistol grip provides comfortable handling and control
- Dispenses 1:1 and 2:1 mix ratio adhesives
- Available for use with 50ml, 200ml, and 400ml case sizes

3M[™] Scotch-Weld[™] EPX Manual Applicators

- Available for use with 35ml, 43ml, 50ml, and 200ml case sizes
- Mixing nozzles sold separately

Mixing nozzles

Simultaneously mix, meter and dispense 3M[™] Scotch-Weld[™] Two-Part Structural Adhesives easily and efficiently.

- Sulzer MIXPAC[™] MC 13-12 or MC 13-18 for hand dispensers
- Sulzer MIXPAC[™] MC 13-18 or MC 13-24 for bulk dispensing systems



Automated systems

Our industry partnerships will help you meet your automation needs with 3M's compatible, pumpable adhesives.

Applicators/ dispensers

Our manual and pneumatic applicators:

- Provide optimal pressure
- Fit with your work flow
- Fit product selection for different applications



Custom dispensing tips for automation

Apply the right amount in the right place.

- Tips for edge fill, honeycomb reinforcement and partial cut filling
- Reduce time and waste
- Increase production rate

Global reach:

Anything you need, anywhere in the world.

- ★ Sales and Marketing
- Aerospace Manufacturing
- Technical Specialist Support

Product 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. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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