

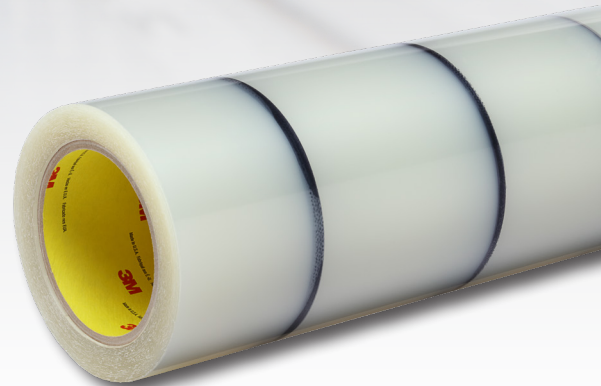
# Stop floor beam corrosion from eating into your profits.



## 3M™ Polyurethane Protective Tapes

3M™ Polyurethane Protective Tapes provide a moisture barrier specifically designed for 'wet areas', such as galleys, lavatories and doorways. They are uniquely engineered for ease of application and outstanding puncture resistance, separating them from other fluid barrier solutions on the market. That's why many airlines use 3M™ Polyurethane Protective Tapes to:

- ▶ Reduce maintenance costs
- ▶ Extend service life
- ▶ Prevent beam corrosion



# The moisture problem.

Drips, spills and leaks are a fact of life for every airline. But when fluids penetrate floorboards, the resulting corrosion eats away at your profits. Aluminum beams used in commercial aircraft are particularly susceptible to corrosive damage, which may weaken the entire floor structure. Repair costs can be up to \$100,000 per aircraft, not to mention the downtime needed to install floor panels and replace beams. Without an effective corrosion prevention system, repair of floor support structures is a routine, costly and time-consuming procedure during heavy maintenance checks.

Protecting floors from moisture damage is therefore a high priority, to help maximize your return on investment.

## Areas in aircraft with increased corrosion risk:

Area	Liquid
<ul style="list-style-type: none"> <li>• Lavatories</li> <li>• Galley</li> <li>• Door entries</li> <li>• Cargo compartments</li> </ul>	<ul style="list-style-type: none"> <li>• Water</li> <li>• Condensation</li> <li>• Urine</li> <li>• Cleaning solutions</li> <li>• Beverages</li> <li>• Rainwater</li> <li>• Snow</li> </ul>

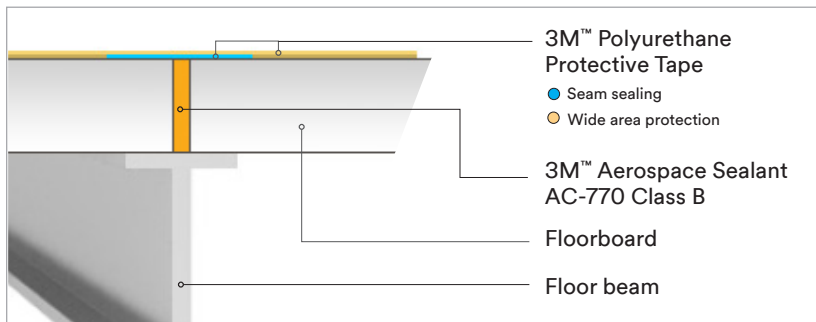


Typical corrosion damage on replaced aircraft floor beams

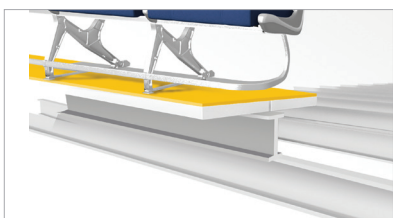
# The simple solution.

## 3M™ Polyurethane Protective Tapes

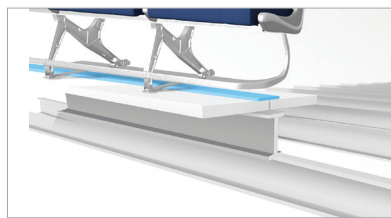
These tapes are installed between floor coverings and floor panels, providing a highly effective barrier to moisture:



The tapes come in two widths, ensuring complete protection:



3M™ Polyurethane Protective Tape for wide area protection



3M™ Polyurethane Protective Tape for seam sealing

## Protect and save.

In a study of twelve 757-200s, a leading airline reported savings in repair costs of over \$300,000 after 3M™ wet area installation. That equates to saving of:

**27k** per aircraft

### These 3M dual liner tapes are:

- ▶ Formulated from extremely tough thermoplastic elastomer, coated with a pressure sensitive adhesive
- ▶ Designed for strong adhesion and clean removal
- ▶ Puncture-resistant, durable and conformable
- ▶ Fire resistant – meeting the FAA's flammability test configuration standards for 14CFR 25.853(a)  
*(See the chart on the next page for applicable products.)*
- ▶ Transparent for easy inspection
- ▶ Qualified for use on many aircraft platforms

# The solution details.

3M has been developing polyurethane protective solutions for over 60 years. This expertise has helped us optimize our films and suggest the best options in our portfolio for corrosion prevention.

Product	Documentation	Applicable Platforms	Unique Feature	Size	Packaging	SKU
<b>3M Polyurethane Protective Tape for Wide Area Protection</b>						
8663DL	Airbus Individual Product Specification IPS 10-05-003-01, Issue 3 Airbus Material Specification AIMS 10-05-003, Issue 2 Airbus Technical Specification AIMS 10-05-000, Issue 30 Airbus Standard ABS5725, Issue 5 Product Designation 5725ML	Airbus A318 Airbus A319 Airbus A320 Airbus A321 Airbus A310 Airbus A330 Airbus A340 Airbus A380	Qualified to OEM specifications and approved in multiple maintenance manuals	4 in. x 3 yd. Sample	1/Case	7010334275
				36 in. x 36 yds.	1/Case	7010372673
				Misc. Custom Sizes	Custom	7100009953
8657DL	Boeing Material Specification BMS 8-346, Rev. D (Type II Class 4) Comac Material Specification CMS-AD-202, Rev. C (Type II, Class 2) Embraer Specification MEP 18-051, Initial Issue Type 1 - Embraer Code E9193047	Boeing Aircraft Comac Aircraft Embraer E2 Jets	Stand-Alone FR-Rated	4 in. x 3 yd. Sample	1/Case	7100003606
				24 in. x 36 yds.	1/Case	7000055332
				Misc. Custom Sizes	Custom	7100063826
<b>3M Polyurethane Protective Tape for Seam Sealing</b>						
8658DL	Boeing Material Specification BMS 8-346, Rev. D (Type II Class 1)	Boeing Aircraft	Stand-Alone FR-Rated	4 in. x 3 yd. Sample	1/Case	7100003602
	Comac Material Specification CMS-AD-202, Rev. C (Type II, Class 1)	Comac Aircraft		4 in. x 36 yds.	2/Case	7100015837
	Embraer Specification MEP 18-051, Initial Issue	Embraer E2 Jets		Misc. Custom Sizes	Custom	7100012234
	Type 2 - Embraer Code E9193170 Bombardier Material Specification 535-007	Airbus A220				
<b>3M Aerospace Sealant AC-770 B</b>						
AC-770 B1	BMS 5-142G, Type II	Boeing Aircraft	Low Density Less Shrinkage (Low Solvent)	3.5 oz. Kit	24/Case	7000048242
				6 oz. PMF Cartridge	24/Case	7010311278
				Gallon Kit	4/Case	7000048243
AC-770 B2				3.5 oz. Kit	24/Case	7100094350
				6 oz. PMF Cartridge	24/Case	7010332496
				Quart Kit	9/Case	7010371800

Contact a local 3M sales specialist or distributor for information.





### Surface protection.

3M has been developing polyurethane protective solutions for over 60 years, including:

- ▶ Helicopter rotor blade erosion protection
- ▶ Aircraft belly impact protection

We have used this expertise to give our polyurethane protective tapes puncture resistance you can trust, each and every time they are installed.

### Simple, fast installation.

- ▶ 3M™ Polyurethane Protective Tapes can be applied quickly and easily
- ▶ High elongation enables excellent conformability, for effective coverage of contoured areas
- ▶ Dual liner construction reduces the potential for wrinkles or bubbles during application, increasing work efficiency
- ▶ Printed black alignment lines on film to help ensure straight application
- ▶ Short fitting times support cost-effectiveness, saving you money

#### 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.

**Warranty and Limited Remedy:** 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, 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 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, regardless of the legal or equitable theory asserted.



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