



Aircraft Interior Solution

SOLUTION PROFILE - Aircraft Corrosion Prevention

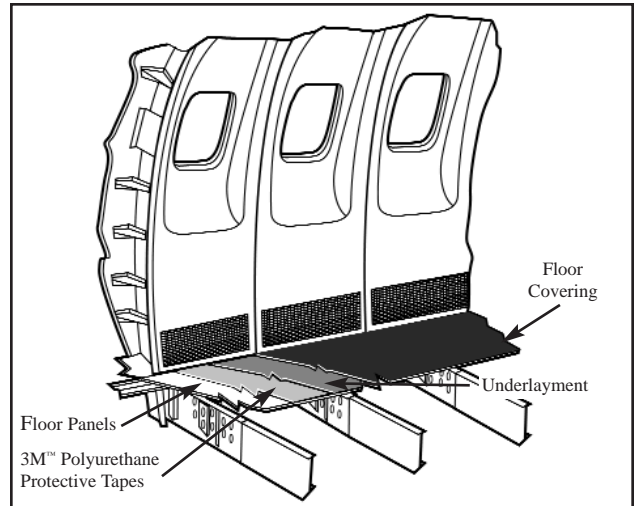
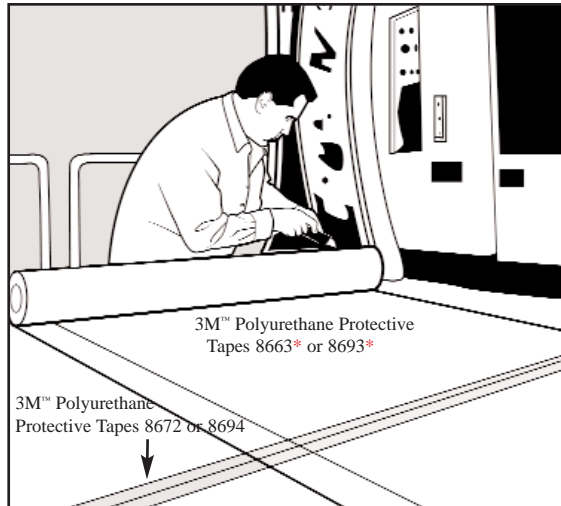
Issue 2

Location: Fluid barrier protection for wet areas of aircraft (i.e., galley, lavatory, entry doorways and cargo area).

Key Issues: Corrosion prevention and management

Application: Helps reduce aircraft floor subsystem corrosion damage caused by penetration of moisture. Significantly reduces corrosion, reduces maintenance costs and extends time between major corrosion repair.

Attributes



* Also available in Dual Liner (DL) as an installation aid.

PRODUCT SOLUTION



Polyurethane Protective Tape

3M™ Polyurethane Protective Tape 8663*
3M™ Polyurethane Protective Tape 8672

Or

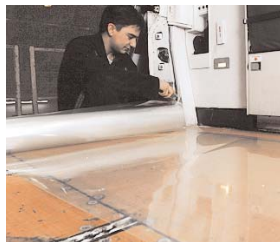
3M™ Polyurethane Protective Tape 8693*
3M™ Polyurethane Protective Tape 8694

Accessories

3M™ Adhesion Promoter 86A (Packets - wipes)	70-2022-7012-3
3M™ Adhesion Promoter 86A (Pint can)	70-0707-4280-7
3M™ Scotch-Weld™ EPX™ Applicator	62-9170-9930-1
3M™ Scotch-Weld™ EPX™ Nozzles	62-9742-9935-6
3M™ Scotch-Weld™ Epoxy Adhesive DP-190	62-3553-1435-2
3M™ Vinyl Tape 471 1/2" x 36 yd	70-0024-1303-0
3M™ Vinyl Tape 471 1" x 36 yd	70-0024-1305-5
Scotch-Brite™ Aircraft Adhesive and Decal Removal Disc (AADR)	61-5001-3736-1

Minimal cleaning and simple tools are required for installation: broom, scissors, squeegees and hot air gun.

KEY BENEFITS



Excellent Moisture Protection: 3M™ Polyurethane Protective Tapes applied over aircraft floor and cargo panels provide an excellent barrier and prevents liquids from penetrating the floor and causing corrosion of structural systems.

Fast, Safe and Easy Application: Polyurethane Protective Tapes have strength and body which allow them to be easily handled, installed and removed without tearing.

Corrosion Protection: Polyurethane Protective Tapes applied in this application have been demonstrated to prevent fluids from penetrating to the floor subsystem resulting in significant reduction in corrosion and corrosion maintenance costs.

KEY ADVANTAGES



FAR Flammability Compliance: 3M™ Polyurethane Protective Tapes 8663, 8663DL, 8693DL, 8672 and 8694 pass the flame performance requirements of FAR 25.853 as barrier tapes on aircraft floors. Polyurethane Protective Tapes 8693DL and 8694 also pass the vertical flame performance requirements of FAR 25.853 as free standing unattached tapes.


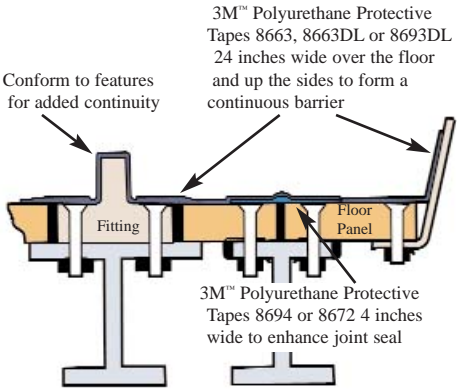
Forms a Tough, Durable Barrier: Polyurethane Protective Tapes provide a unique combination of high strength abrasion resistance and conformability necessary to function as a continuous fluid barrier in this application.

Replaces Polyester Film and Similar Materials: Polyurethane Protective Tapes have been specified by commercial aircraft OEMs to resolve performance problems observed with other alternative materials and techniques previously used, including vinyl tapes, polyester films (i.e., Mylar® and Rubatex®) and other sealing techniques.

Helps Reduce Maintenance Costs: Polyurethane Protective Tapes have been proven to significantly reduce floor system corrosion damage and maintenance requirements.

3M AIRCRAFT INTERIOR SOLUTION

RELATED GOVERNMENT REGULATORY, INDUSTRY SPECIFICATIONS, AND EXPERIENCE	
FAR Compliance	3M™ Polyurethane Protective Tape 8693DL and 8694 pass the vertical flame performance requirements of FAR 25.853 as free standing unattached tapes and when applied to a variety of floorboards. Conformance testing to FAR 25.853 can be provided from an independent laboratory for production material.
OEM Approval	3M™ Polyurethane Protective Tapes 8693DL, 8694, and 8663 are used extensively as barrier tapes for floors in new aircraft production. Polyurethane Protective Tapes 8693DL and 8694 are also qualified to Boeing Material Specification BMS 8-346 Rev. A. Polyurethane Protective Tape 8693DL meets Type II Class 2 requirements, and Polyurethane Protective Tape 8694 meets Type II Class 1 requirements.
MRO Approval	Application of 3M™ Polyurethane Protective Tape 8663DL is a recommended design change for 737 and 757 aircraft operators to minimize corrosion damage to floor support structures. Technical Service Letters 737-SL-53-034 and 757-SL-53-018 detail the installation recommendations. 3M™ Polyurethane Protective Tapes 8693DL, 8694, 8672 and 8663DL are used by global airlines to minimize corrosion damage to aircraft floor support structures. Authorization for the applications flows from the above OEM approvals or airline engineering authorization.

<p>Solutions for Aircraft Issues</p>  <p>3M™ Polyurethane Protective Tapes help prevent corrosion underneath floor boards.</p>	<p><i>Adhesion to structure:</i> Polyurethane Protective Tapes maintain excellent adhesion to the floorboards and sealants to form a continuous barrier against moisture.</p>	
	<p><i>Conform over features:</i> Polyurethane Protective Tapes will conform to raised features to provide a continuous fluid barrier at floor penetrations.</p>	
	<p><i>Fast and easy fluid barrier application:</i> Polyurethane Protective Tapes provide an effective high strength, tough, light weight, abrasion resistant fluid barrier that is fast and easy to apply.</p>	
	<p><i>Seal Corners and Sidewalls:</i> Polyurethane Protective Tapes will conform to the edge of the floor/vertical panel intersection with excellent adhesion strength to seal the edge and prevent fluid migration.</p>	

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-235-AERO (800-235-2376). Address correspondence to: 3M Aerospace, 3M Center, Building 220-9W-14, St. Paul, MN 55144-1000. If you are outside of the US, please contact your nearest 3M office or branch.

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Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for any loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

For Additional Product Safety and Health Information, See Material Safety Data Sheet

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Phone: 1-800-235-2376
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Printed in USA
3M IPC 2004
60-9700-0041-4 (04/04)

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