

Surface Protection for the C-130



U.S. Air Force photo by MSgt Scott Wagers

Corrosion, Erosion and FOD Management

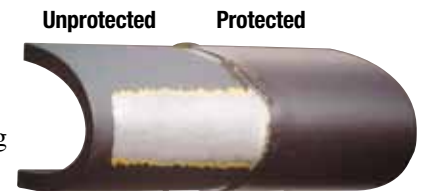
3M™ Polyurethane Protective Tapes and Boots help reduce rain and sand erosion damage. Using 3M Polyurethane Protective Tapes provides protection that can significantly reduce Foreign Object Damage (FOD) costs and extend service life.

Excellent Impact Protection

3M Polyurethane Protective Tapes and Boots applied over the aircraft belly, leading edges, and antennas provide an excellent barrier to FOD and abrasion damage.

Fast, Safe, and Easy Application

3M Polyurethane Protective Tapes and Boots have strength and body which allow them to be easily handled without tearing and contains no hazardous air pollutants (HAPs) or volatile organic compounds (VOCs). Application is achieved by removing a protective liner from the adhesive side of the tape and applying the tape directly onto the prepared surface.



Erosion Protection

3M Polyurethane Protective Tapes and Boots reduce maintenance costs by preventing erosion and corrosion caused by FOD.

Forms a Tough, Durable Barrier

3M Polyurethane Protective Tapes and Boots demonstrate outstanding results in a wide range of testing for UV stability, fluid resistance and overall performance. They provide a unique combination of high strength abrasion resistance and conformability necessary to maximize performance.



Superior Performance Over Polyester Film and Similar Materials

3M Polyurethane Protective Tapes and Boots have been designed and specified by commercial and military aircraft OEMs because of their superior performance over alternative materials and techniques previously used, including vinyl tapes, polyester films and other sealing materials.

Adhesion to Structure

3M Polyurethane Protective Tapes and Boots form a continuous barrier that maintains excellent adhesion to the surface structure, including sealants and raised features.

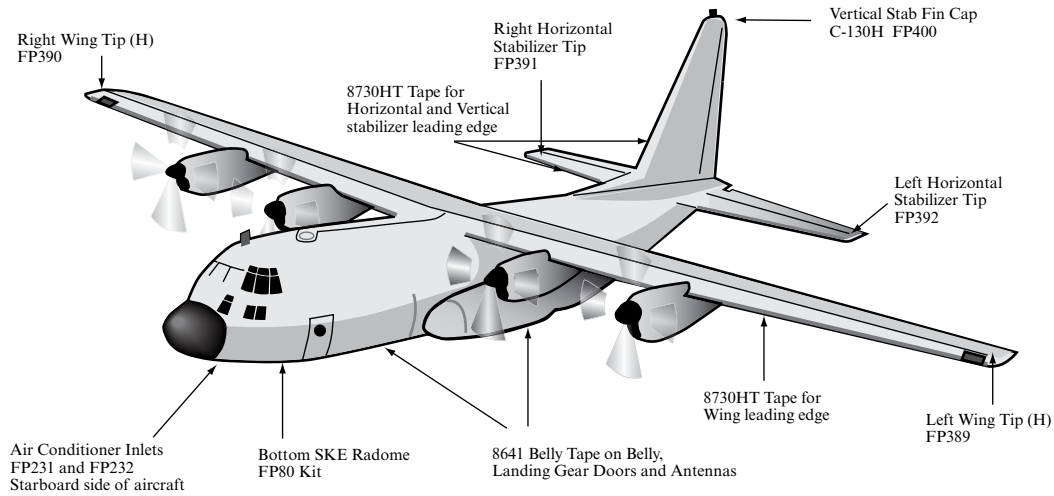
▼ Our radome boots fit like a glove.



▼ 3M 8641 Tape used for belly protection on military aircraft.



3M™ Polyurethane Protective Boots



Description	Boot#	Color	Pack Out	3M ID Number	Input Material
3M Polyurethane Protective Boots					
SKE Dome, Bottom	FP080	36173 Medium Dark Gray	1 5	70070751972 70070322162	SJ8641 SJ8641
Nose Radome	FP193	Transparent	5	70070662757	SJ8665
Air Conditioner, Small Inlet	FP231	36118 Dark Gray	1	70070750073	SJ8667HS
Air Conditioner, Small Inlet	FP231	36173 Medium Dark Gray	1	70070914927	SJ8667HS
Air Conditioner, Large Inlet	FP232	36173 Medium Dark Gray	1	70070914943	SJ8667HS
ALR-69 Radome	FP239	Black	5	70070750388	SJ8663HS
Rudder Balance WT	FP278	36173 Medium Dark Gray	1	70070915122	SJ8667HS
Elevator Balance WT	FP279	36173 Medium Dark Gray	1	70070915148	SJ8667HS
Lowband Antenna (UHF/VHF)	FP289	36173 Medium Dark Gray	1	70070914968	SJ8667HS
VHF-1 Antenna Blade, #35	FP290	36173 Medium Dark Gray	1	70070914984	SJ8667HS
Wing Tip, Left	FP389	36173 Medium Dark Gray	1	70070914489	SJ8667HS
Wing Tip, Right	FP390	36173 Medium Dark Gray	1	70070914521	SJ8667HS
Horizontal Stabilizer Tip, Right	FP391	36173 Medium Dark Gray	1	70070914547	SJ8667HS
Horizontal Stabilizer Tip, Left	FP392	36173 Medium Dark Gray	1	70070914562	SJ8667HS
Vertical Stabilizer Fin Cap	FP400	36173 Medium Dark Gray	1	70070914745	SJ8667HS
ALR-69 Radome	FP492	Transparent	1 5	70202271253 70202271261	SJ8681HS SJ8681HS

Related Government Regulatory and Industry Specifications:

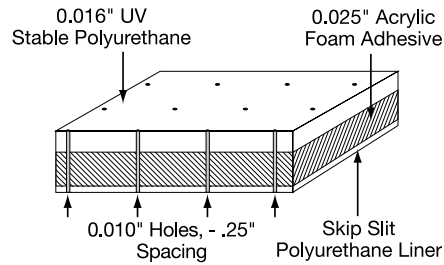
Technical Orders
 1C-130H-2-00GE-00-1
 1C-120J-2-00GV-00-1
 42C2-1-9-7
 1C-130A-23

U.S. Air Force photo by
 TSgt Erik Gudmundson

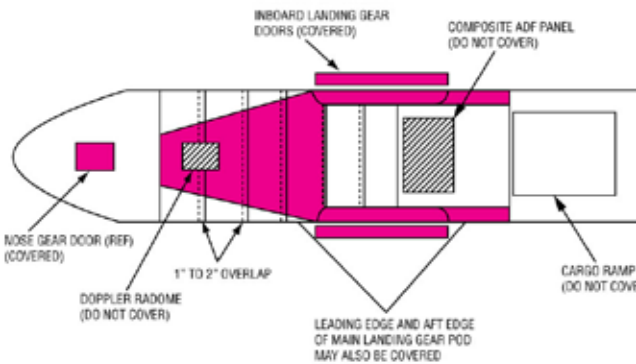


3M™ Polyurethane Protective Tape 8641

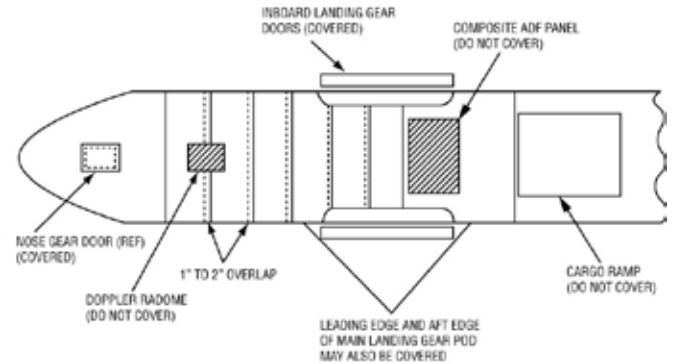
- Extremely impact resistant
- Outdoor grade tape
- Acrylic foam adhesive
- Custom sizes
- Available with or without perforation
- Colors: 36118 Dark Gray, 36173 Medium Dark Gray, Matte Black, Gloss White or RAF Green



Partial Coverage in Pink



Full Coverage



3M™ Polyurethane Protective Tape 8730HT

- Tough, durable barrier erosion protection on heated leading edges
- Allows heat from de-icing system to pass through the tape without affecting performance
- For the heated leading edge of the Wings and the Vertical and Horizontal Stabilizers



August 2010 – After 1 Tropical Storm
Unprotected



August 2010 – After 1 Tropical Storm
Protected with 8730 HT

Color	Size	3M ID Number
36173 Medium Dark Gray	Misc. custom size	70-2022-7903-3
	12" x 20 yds	70-2022-8009-8
	12" x 36 yds	70-2022-7989-2
Matte Black	Misc. custom size	70-2022-7904-1
	12" x 20 yds	70-2022-8013-0
	12" x 36 yds	70-2022-8014-8



Visit 3M.com/boots for more information on 3M™ Polyurethane Protective Tapes and Boots, including a video on boot installation.

**To order call 1-866-556-5714 or 651-575-6688
or fax orders to: 1-888-427-0511 or 651-737-4308**

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