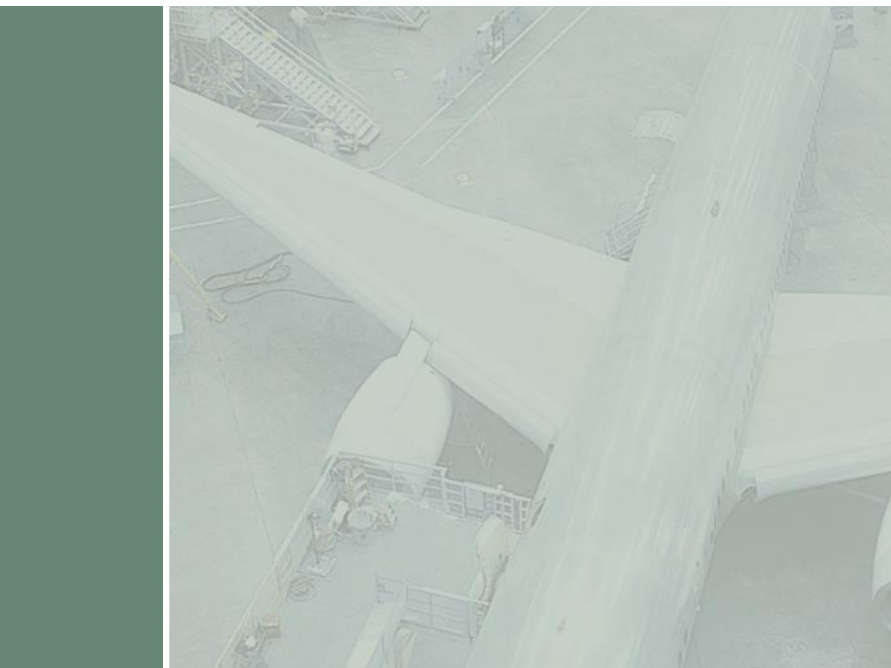


Surface Protection Solutions



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POLYURETHANE PROTECTIVE TAPES

3M™ Polyurethane Protective Tape is 100% solids and contains no hazardous air pollutants (HAPs), volatile organic components (VOCs) or materials restricted by regulations or laws. Respiratory protection is not required under normal use conditions. 3M polyurethane protective tape meets US Federal and California regulations for landfillable materials. The product is potentially recyclable.

General Use

3M™ Polyurethane Protective Tape 8544

- Applications include fuel cell bladder protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC/NSN
8544	1 in x 36 yds	0.009 in (0.23mm)	Glossy Black	021200 24330 1 7510-01-323-8195
	2 in x 36 yds	0.009 in (0.23mm)	Glossy Black	021200 83897 2 7510-01-323-8196
	Custom Sizes	0.009 in (0.23mm)	Glossy Black	N/A

3M™ Polyurethane Protective Tape 8547

- Rugged, removable (low tack), flame resistant polyurethane tape.
- Transparent for temporarily covering lenses and windows.
- Meets NFPA 701-1989 Ed.
- Applications include temporary protection from spark and weld spatter and temporary composite part protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8547	Custom Sizes	0.013 in (0.33mm)	Transparent	N/A

3M™ Polyurethane Protective Tape 8560

- Indoor grade, polyurethane tape with natural rubber adhesive.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8560	1 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83898 9
	2 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83899 6
	3 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83900 9
	4 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83901 6
	4 ³ / ₈ in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 41884 6
	Custom Sizes	0.014 in (0.36mm)	Glossy Transparent	N/A



3M™ Polyurethane Protective Tape 8561

- Indoor grade polyurethane tape with acrylic adhesive.
- Applications include anti-chafe and grit blast protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8561	1 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 83902 3
	2 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 83903 0
	3 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 83904 7
	4 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 83905 4
	5 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 39344 0
	6 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 83906 1
	12 in x 36 yds	0.14 in (0.36mm)	Glossy Transparent	021200 39345 7
	Custom Sizes	0.14 in (0.36mm)	Glossy Transparent	N/A

3M™ Polyurethane Protective Tape 8562

- Indoor grade, polyurethane tape with acrylic adhesive.
- Applications include anti-chafe and grit blast protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8562	1 in x 36 yds	0.008 in (0.20mm)	Glossy Transparent	021200 83907 8
	2 in x 36 yds	0.008 in (0.20mm)	Glossy Transparent	021200 83908 5
	Custom Sizes	0.008 in (0.20mm)	Glossy Transparent	N/A

POLYURETHANE PROTECTIVE TAPES

General Use

3M™ Polyurethane Protective Tape 8607

- Rugged, outdoor grade polyurethane tape with acrylic adhesive.
- Used for aircraft and windmill leading edge protection.
- Splice free.
- Applications include paint, plastic, and metal protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR/LINER	UPC
8607	6 in x 36 yds	0.014 in (0.36mm)	Transparent, Poly Liner	021200 96348 3
	10 in x 36 yds	0.014 in (0.36mm)	Transparent, Poly Liner	021200 96645 3
	Custom Sizes	0.014 in (0.36mm)	Transparent, Poly Liner	N/A
8607R	4 in x 36 yds	0.014 in (0.36mm)	Transparent, Paper Liner	021200 74152 4
	6 in x 36 yds	0.014 in (0.36mm)	Transparent, Paper Liner	021200 74153 1
	240mm x 33m	0.014 in (0.36mm)	Transparent, Paper Liner	048011 53239 4
	152mm x 100m	0.014 in (0.36mm)	Transparent, Paper Liner	021200 74228 6

3M™ Polyurethane Protective Tape 8671

- General purpose, outdoor grade, polyurethane tape with high shear acrylic adhesive.
- Used for aircraft and windmill leading edge protection.
- Applications include paint, plastic, and metal protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8671	1 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 24342 4
	2 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 24343 1
	3 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 24344 8
	4 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 39346 4
	6 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 67201 9
	12 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 67202 6
	Custom Sizes	0.014 in (0.36mm)	Transparent or Glossy White	N/A
8671HS	1 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 24345 5
	2 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 41414 5
	4 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 40944 8
	6 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 64678 2
	12 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 64679 9
8671P	20 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 41413 8
	Custom Sizes	0.014 in (0.36mm)	Transparent	N/A
	4 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 41891 4
	36 in x 36 yds	0.014 in (0.36mm)	Transparent	021200 41892 1
	Custom Sizes	0.014 in (0.36mm)	Transparent	N/A

3M™ Polyurethane Protective Tape 8616

- Outdoor grade protective backing with high-tack plasticizer compatible acrylic adhesive.
- Recommended as a quick repair patch and can be used on wet or dry surfaces.
- Bonds to powder-coated paint.
- Applications include joining, sealing, and repairing of vinyl materials.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8616	Custom Sizes	0.016 in (0.40mm)	Matte Transparent	N/A

3M™ Polyurethane Protective Tape 8617

- Indoor grade, polyurethane backing with high tack, quick grab rubber-based adhesive.
- Recommended as a quick repair patch and can be used on wet or dry surfaces.
- Applications include joining and sealing of canvas, rubber, leather, plastic, and fabric.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8617	Custom Sizes	0.016 in (0.40mm)	Matte Transparent	N/A

3M™ Polyurethane Protective Tape 8672

- General purpose, outdoor grade polyurethane tape with acrylic adhesive.
- Applications include paint, plastic, and metal protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8672	6 in x 18 yds	0.008 in (0.20mm)	Transparent	021200 65770 2
	1 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 24346 2
	2 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 39347 1
	3 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 40956 1
	4 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 30753 9
	6 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 67670 3
	12 in x 36 yds	0.008 in (0.20mm)	Transparent	021200 67671 0
	Custom Sizes	0.008 in (0.20mm)	Transparent	N/A
	6 in x 18 yds	0.008 in (0.20mm)	Glossy Black	021200 24897 9
	Custom Sizes	0.008 in (0.20mm)	Glossy Black	N/A

Corrosion and Moisture Protection

3M™ Surface Protection Film 3952

- Fluoropolymer film that provides high performance, low surface energy coating solution for both interior and exterior applications.
- Resistant to moisture, chemicals, and environmental agents.
- Meets FAR 25.853 for aircraft interiors.
- Color stable in extreme UV environment.
- Typically used for composite co-cure applications.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
3952	12 in x 72 yds	3.5 mils	46320	021200 56519 9
	Custom Sizes	3.5 mils	46320	N/A

3M™ Paint Replacement Tape 5004

- Fluoropolymer film with acrylic adhesive that provides high performance, low surface energy coating solution for both interior and exterior applications.
- Resistant to moisture, chemicals, and environmental agents offering excellent substrate protection as well as long-term color stability.
- Meets FAR 25.853 for aircraft interiors.
- Used in general aviation, commercial, and military aircraft applications.



PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
5004	Custom Sizes	5.5 mils	36375	021200 41882 2

3M™ Polyurethane Protective Tape 8663DL

- Outdoor grade polyurethane tape with acrylic adhesive.
- Dual liner (DL) facilitates easy installation.
- Striped to indicate second liner is attached.
- Typically used for a fluid/corrosion barrier on aircraft flooring.



PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8663DL	4 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 24904 4
	36 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 24903 7
	Custom Size: 24 in x 36 yds	0.018 in (0.46mm)	Transparent	70-0000-8412-2
	Custom Sizes	0.018 in (0.46mm)	Transparent	N/A

3M™ Polyurethane Protective Tape 8693DL

- Flame-retardant tape construction made from a tough polyurethane elastomer that resists puncture, tearing and abrasion.
- Supplied with a striped top polyester liner used as an aide for wide web applications.
- Meets FAR 25.853 for aircraft interiors.
- Applied over aircraft floor panels, this product establishes an excellent barrier to fluids and helps prevent liquids from causing corrosion of the floor system.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8693DL	24 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 49972 2

3M™ Polyurethane Protective Tape 8694

- Flame-retardant polyurethane protective tape.
- Lightweight and puncture resistant.
- Meets FAR 25.853 for aircraft interiors.
- Applications include aircraft interiors, insulation patching, cargo compartments, and as a fluid/corrosion barrier on aircraft flooring.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8694	4 in x 36 yds	0.09 in (0.23mm)	Transparent	021200 49974 6
	Custom Sizes	0.09 in (0.23mm)	Transparent	021200 49186 3

Impact Protection

3M™ Polyurethane Protective Tape 8547

- Rugged, removable (low tack), flame-resistant polyurethane tape.
- Transparent for covering lenses and windows.
- Meets NFPA 701-1989 Ed.
- Applications include temporary protection from spark and weld spatter and temporary composite part protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8547	Custom Sizes	0.013 in (0.33mm)	Transparent	N/A

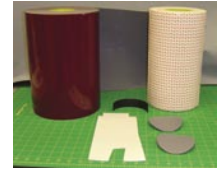
3M™ Polyurethane Protective Tape 8560

- Indoor grade polyurethane tape with natural rubber adhesive.
- Temporary anti-chafe protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8560	1 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83898 9
	2 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83899 6
	3 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83900 9
	4 in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 83901 6
	4 ³ / ₈ in x 36 yds	0.014 in (0.36mm)	Glossy Transparent	021200 41884 6
	Custom Sizes	0.014 in (0.36mm)	Glossy Transparent	N/A

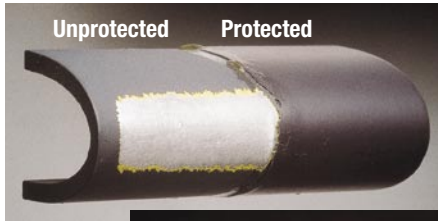
3M™ Polyurethane Protective Tape 8641

- Extremely impact-resistant outdoor grade polyurethane protective tape with acrylic foam adhesive.
- Applications include protection of aircraft skins and panels from foreign object damage (FOD).
- Can be perforated for application on pressurized fuselage panels.



PRODUCT	SIZE	TOTAL THICKNESS	DESCRIPTION	UPC	
8641, Gray 36118	1 in x 36 yds	0.041 in (1.04mm)		021200 24333 2	
	12 in x 36 yds	0.041 in (1.04mm)	Perforated	021200 26859 5	
	24 in x 2 yds	0.041 in (1.04mm)		021200 24209 0	
	24 in x 36 yds	0.041 in (1.04mm)	Perforated	021200 86198 7	
	24 in x 36 yds	0.041 in (1.04mm)	Non Skip-Slit	021200 86212 0	
	Custom Sizes	0.041 in (1.04mm)	Non-Perforated, Non Skip-Slit	048011 53246 2	
	Custom Sizes	0.041 in (1.04mm)	Perforated	N/A	
	Custom Sizes	0.041 in (1.04mm)	Non-Perforated, Skip Slit Liner	N/A	
	8641, Gray 36173	Custom Sizes	0.041 in (1.04mm)	Perforated	N/A
		Custom Sizes	0.041 in (1.04mm)	Non-Perforated	N/A
12 in x 36 yds		0.041 in (1.04mm)	Perforated	021200 26857 1	
8641, Matte Black	24 in x 36 yds	0.041 in (1.04mm)	Perforated	021200 26858 8	
	Custom Sizes	0.041 in (1.04mm)	Non-Perforated, Non Skip-Slit	021200 94490 1	
	Custom Sizes	0.041 in (1.04mm)	Perforated	N/A	
8641, White	24 in x 36 yds	0.041 in (1.04mm)		021200 38370 0	
	24 in x 36 yds	0.041 in (1.04mm)	Perforated	021200 38371 7	
	Custom Sizes	0.041 in (1.04mm)	Non-Perforated	N/A	
8641-RAF, Green	Custom Sizes	0.041 in (1.04mm)	Perforated	N/A	
	24 in x 36 yds	0.041 in (1.04mm)	Non-Perforated	021200 41408 4	
	24 in x 36 yds	0.041 in (1.04mm)	Perforated	021200 41409 1	
	Custom Sizes	0.041 in (1.04mm)	Non-Perforated	N/A	
Custom Sizes	0.041 in (1.04mm)	Perforated	N/A		

Erosion Protection



3M™ Polyurethane Protective Tape 8542HS MB

- Outdoor grade polyurethane tape with high shear (HS) acrylic adhesive.
- Used for protecting helicopter rotor blades from rain and sand erosion.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8542-1	.75 in x 36 yds	0.022 in (0.56mm)	Matte Black	021200 96252 3
8542-2	1 1/4 in x 36 yds	0.022 in (0.56mm)	Matte Black	021200 96253 0
8542HS	Custom Sizes	0.022 in (0.56mm)	Matte Black	N/A

3M™ Polyurethane Protective Tape 8545

- Military grade polyurethane tape.
- No adhesive; use two-part epoxy for bonding.
- Applications include advanced rotor blade protection on military helicopters.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8545	Custom Sizes	0.040 in (1.016mm)	Matte Black	N/A

3M™ Polyurethane Protective Tape 8673

- Transparent, glossy polyurethane tape with acrylic adhesive.
- Extremely UV stable.
- Scratch, erosion, puncture, and impact protection.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8673	Custom Sizes	0.014 in (0.36mm)	Transparent	70-0000-8321-5

3M™ Polyurethane Protective Tape 8663

- Rugged polyurethane tape with high shear acrylic adhesive.
- Regular shear adhesive also available (8663).
- Applications include helicopter rotor blade protection and aircraft leading edge structure protection.



PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8663HS	1 in x 36 yds	0.018 in (0.46mm)	Matte Black	021200 24338 7
	4 in x 36 yds	0.018 in (0.46mm)	Matte Black	021200 24340 0
	4 in x 3 yds	0.018 in (0.46mm)	Transparent	021200 25201 3
	Custom Sizes	0.018 in (0.46mm)	Transparent	048011 56801 0
8663	1 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 24335 6
	4 in x 36 yds	0.018 in (0.46mm)	Transparent Skip Slit	021200 24337 0
		0.018 in (0.46mm)	Transparent Non Skip Slit	021200 30301 2
	12 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 45276 5
	36 in x 36 yds	0.018 in (0.46mm)	Transparent	021200 30302 9
	1 in x 36 yds	0.018 in (0.46mm)	Matte Black	021200 24334 9
Custom Sizes	0.018 in (0.46mm)	Matte Black	N/A	

3M™ Polyurethane Protective Tape 8667HS

- Polyurethane tape with high shear acrylic adhesive.
- Scratch, erosion, puncture, and impact protection
- Used for protecting helicopter rotor blades and aircraft leading edges from sand and rain erosion.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR/ DESCRIPTION	UPC
8667HS	5 in x 36 yds	0.28 in (0.71mm)	Matte Black Non-Skip Slit	048011 56725 9
	6 in x 36 yds	0.28 in (0.71mm)	Transparent	048011 53379 7
8667HS	24 in x 36 yds	0.28 in (0.71mm)	36173	021200 49981 4
	Custom Sizes	0.28 in (0.71mm)	36173	N/A
		0.28 in (0.71mm)	Matte Black Skip Slit	N/A

POLYURETHANE PROTECTIVE TAPES

Erosion Protection

3M™ Polyurethane Protective Tape 8674

- Transparent, glossy, polyurethane tape with acrylic adhesive.
- Extremely UV stable.
- Dual liner (DL) for ease of converting.
- Best clarity of 3M polyurethane protective tapes.

PRODUCT	SIZE	TOTAL THICKNESS	COLOR	UPC
8674	Custom Sizes	0.008 in (0.20mm)	Transparent	N/A
8674DL	Custom Sizes	0.008 in (0.20mm)	Transparent	N/A

3M™ Polyurethane Protective Tape 8681HS

- Outdoor grade polyurethane tape with high shear (HS) acrylic adhesive.
- Matte surface finish.
- Applications include supersonic (F-16) aircraft and rotor blade leading edge protection.

PRODUCT	SIZE	TOTAL THICKNESS	DESCRIPTION	UPC
8681HS, Gray 36118	2 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 24473 5
		0.014 in (0.36mm)		021200 83852 1
	2 3/8 in x 36 yds	0.014 in (0.36mm)		021200 83896 5
		0.014 in (0.36mm)		021200 24472 8
	3 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 24471 1
	4 in x 3 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 25206 8
	4 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 38167 6
	6 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 64684 3
	Custom Sizes	0.014 in (0.36mm)	Non-Skip Slit	N/A
		0.014 in (0.36mm)	Skip Slit	N/A
8681HS, Gray 36173	Custom Sizes	0.014 in (0.36mm)	Non-Skip Slit	N/A
		0.014 in (0.36mm)	Skip Slit	N/A
	1 1/2 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 26759 8
	2 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 24470 4
8681HS, Gray 36251	2 3/8 in x 36 yds	0.014 in (0.36mm)		021200 24469 8
	3 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 24468 1
	24 in x 72 yds	0.014 in (0.36mm)		021200 26758 1
		0.014 in (0.36mm)		021200 37700 6
		0.014 in (0.36mm)		021200 31799 6

Continued

3M™ Polyurethane Protective Tape 8681HS *continued*

PRODUCT	SIZE	TOTAL THICKNESS	DESCRIPTION	UPC
8681HS, Gray 36251	Custom Sizes	0.014 in (0.36mm)		N/A
		0.014 in (0.36mm)	No-Skip Slit	N/A
8681HS, Gray 36270	Custom Sizes	0.014 in (0.36mm)	Non-Skip Slit	N/A
		0.014 in (0.36mm)	Skip Slit	N/A
	8 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 41017 8
	2 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 24984 6
	2 3/8 in x 36 yds	0.014 in (0.36mm)		021200 24983 9
8681HS, Gray 36320	3 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 24982 2
	4 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 24981 5
	6 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 64685 0
	Custom Sizes	0.014 in (0.36mm)	Non-Skip Slit	N/A
		0.014 in (0.36mm)	Skip Slit	N/A
	8681HS, Gray 36493	Custom Sizes	0.014 in (0.36mm)	
8681HS, Trans-parent	1 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 24348 6
		0.014 in (0.36mm)	Non-Skip Slit	021200 65736 8
	2 in x 36 yds	0.014 in (0.36mm)	Non-Skip Slit	021200 24989 1
		2 3/8 in x 36 yds	0.014 in (0.36mm)	
	3 in x 36 yds	0.014 in (0.36mm)	Skip Slit	021200 24988 4
	4 in x 36 yds	0.014 in (0.36mm)		021200 67996 4
		0.014 in (0.36mm)	Skip Slit	021200 24987 7
	6 in x 36 yds	0.014 in (0.36mm)		021200 64682 9
	8 in x 36 yds	0.014 in (0.36mm)		021200 83933 7
		0.014 in (0.36mm)	Skip Slit	021200 24986 0
0.014 in (0.36mm)			021200 84161 3	
0.014 in (0.36mm)			021200 83855 2	
12 in x 36 yds	0.014 in (0.36mm)		021200 83930 6	
	0.014 in (0.36mm)	Skip Slit	021200 24985 3	
	0.014 in (0.36mm)		N/A	
Custom Sizes	0.014 in (0.36mm)	Non-Skip Slit	N/A	
	0.014 in (0.36mm)	Skip Slit	N/A	

PROTECTIVE BOOTS

3M™ Polyurethane Protective Boots are made of very tough thermoplastic polyurethane elastomer with acrylic adhesive pre-formed to fit many industrial and common aircraft applications (including radomes, wing tips, landing gear pods, prop spinners, etc.). They provide protection against damage caused by moisture, UV light, wind, sand, rain, sleet, snow, and other airborne particles.



- Provides protection against damage caused by moisture, UV light, wind, sand, rain, sleet, snow, and other airborne particles.
- Very tough thermoplastic polyurethane elastomer with acrylic adhesive pre-formed to fit.
- Abrasion, erosion, scratch, puncture, moisture, and impact resistant.
- Contains no VOCs.
- Fast and easy to apply.
- Over 530 formed shapes available.

Commercial Aircraft

AIRCRAFT TYPE	APPLICATION	BOOT NO.	COLOR	UPC	QTY./CASE
Commercial Aircraft					
Boeing 707, Boeing 727 and Boeing 737	Boeing 707, 727 and 737 radomes	SJ8665 FP1-1	Transparent	021200 67612 3	1
				021200 15730 1	5
Boeing 757	Boeing 757 radomes	SJ8665 FP33-1	Transparent	021200 63103 0	1
				021200 63104 7	5
Boeing 767	Boeing 767 radomes	SJ8665 FP15-1	Transparent	021200 67615 4	1
				021200 17235 9	5
Boeing MD80/MD90	Boeing MD80/MD90 Landing Gear Boot	SJ8667HS FP502	Transparent	048011 53277 6	8
Canadair	Canadair Challenger RJ, 600 and 601 radomes	SJ8665 FP22	Transparent	021200 17709 5	1
				021200 17981 5	5
				021200 30750 8	1
	Canadair RJ PN6017790-4	SJ8665 FP121	Transparent	021200 30749 2	5
Embraer	Embraer EMB 120 radomes	SJ8665 FP47	Transparent	021200 67295 8	1
				021200 67296 5	5
McDonnell Douglas	Douglas DC-9, MD-80 radomes	SJ8665 FP3	Transparent	021200 16487 3	1
				021200 67613 0	5



Business Jet/Regional Jet

AIRCRAFT TYPE	APPLICATION	BOOT NO.	COLOR	UPC	QTY./CASE
Commercial Aircraft					
Bombardier	CRJ 100 and 200 radome	SJ8665 FP22	Transparent	021200 17981 5	1
				021200 17709 5	5
Embraer	EMB-120 and EMB-145 radomes	SJ8665 FP47	Transparent	021200 67295 8	1
				021200 67296 5	5
Gulfstream	Gulfstream G3 and G4 radomes	SJ8665 FP21	Transparent	021200 19000 1	1
				021200 18671 4	5
Learjet	Learjet 23, 24, 25, 28, 29, 31, 35, 36 radomes	SJ8665 FP507-1	Transparent	021200 26599 0	1
				Learjet 50 radomes	SJ8665 FP514-1
	Learjet M-45 radome	SJ8665 FP174	Transparent	021200 23953 3	1
				021200 23954 0	5

PROTECTIVE BOOTS

Private Aircraft

AIRCRAFT TYPE	APPLICATION	BOOT NO.	COLOR	UPC	QTY./CASE
Private Aircraft					
Beechcraft	Beech Baron with Norton Honeycomb radomes	SJ8665 FP55	Transparent	021200 67694 9	1
				021200 67693 2	5
	Beechcraft — 90, 100, 200, Most King Air, Queen Air Models, 65/A65, 70, 80, A80 radomes	SJ8665 FP5	Transparent	021200 17232 8	1
				021200 17232 8	5
Cessna	Cessna Citation I, II, IV and V radomes	SJ8665 FP29	Transparent	021200 19019 3	1
				021200 19001 8	5
	Cessna 208 (Wing Mount) radomes	SJ8665 FP34	Transparent	021200 62818 4	1
				021200 62819 1	5
Hawker Siddeley	Hawker Siddeley 125, 600, 700 and 800 series radomes, most pointed nose	SJ8665 FP9	Transparent	021200 16948 9	1
				021200 16948 9	5

*Many more boots available.

Military Aircraft

AIRCRAFT TYPE	APPLICATION	BOOT NO.	COLOR	UPC	QTY./CASE
Military Aircraft					
AN/ALQ	AN/ALQ-184 Assembly Radome Cover	SJ8663HS FP308A	Matte Black	021200 41061 1	1
				021200 41060 4	5
	AN/ALQ-184 Assembly Radome 4 inch Ear Cap	SJ8663HS FP308B	Matte Black	021200 41059 8	1
				021200 41058 1	5
BAe	BAe RFCM Rain Erosion Boot	SJ8681HS FP525	26493	048011 56791 4	5
Boeing C-17	Boeing C-17 Landing Gear Boot	SJ8641 FP435	36173	021200 56584 7	1
				021200 56585 4	5
	Boeing C-17 Landing Gear Boot	SJ8641 FP481	36173	021200 96133 5	1
				021200 96132 8	5
				021200 83856 9	1
F-15	Counter Measure, Wing Tip Pod	SJ8665 FP78	Transparent	021200 67974 2	5
				021200 67975 9	25
	Metric Systems S-band Antenna Radome — Button Cluster	SJ8681HS FP394	Transparent	021200 49035 4	1
				021200 49036 1	5
F-16	F-16 Center Line Tank (Light Gray)	SJ8667HS FP77	Light Gray	021200 96460 2	1
				021200 96459 6	5
	F-16 External (Wing Mount) Fuel Tanks	SJ8667HS FP60	Transparent	021200 84108 8	1
				021200 84109 5	5
	LAU 129 Launcher Rails PN700192-1&2	SJ8667HS FP144	Transparent	021200 87598 4	5
				021200 87597 7	10
	Pod	SJ8665 FP100	Transparent	021200 84229 0	5
	AMD Pod	SJ8667HS FP108	36320	021200 84200 9	1
F-18	F-18 External Tanks	SJ8667HS FP44	36320	021200 67191 3	1
				021200 67190 6	5
Lockheed	Lockheed P-3 Orion, Rain Erosion Cap, Nose Radome (PN 428151)	SJ8665 FP178	Transparent	021200 23961 8	1
				021200 23960 1	5
T-38/F-5	T-38 Nose Cone	SJ8665 FP92	Transparent	021200 83990 0	1
				021200 83991 7	5

*Many more boots available.

PROTECTIVE BOOTS — INSTALLATION

This installation procedure does not apply to 3M™ Polyurethane Protective Boots made from SJ8641. See authorizing installation documents or 3M™ Polyurethane Protective Tape 8641 technical datasheet for installation instructions.

Suggested Installation Procedures

You will need the following products:



3M™ Protective Tape Application Solution
See page 39

3M™ Vinyl Tape 471
See page 40



Step 1:

Make sure hands are clean and free of oils and grease. Clean the radome/part and the boot (top side and bottom side) with 3M™ Protective Tape Application Solution to remove the talcum powder. This will ensure maximum adhesion.

Note: Use a clean, lint-free, silicone-free cloth or cheese cloth. Do not use shop rags as they might be contaminated with silicones.



Step 2:

Trim the boot with a pair of scissors about 1/4 in. above the trim line (trim line is located 1/2 in. above the base) that is found on most boots. Make clean, smooth cuts—avoid jagged edges.

Note: To document the installation in the aircraft log books, save the boot identifier tag that is on the base of the boot.



Step 3:

Position the boot over the radome/part (adhesive/white liner side down against radome/part). Measure from the bottom of the boot and the base of the radome/part to ensure it is centered and properly positioned.



Step 4:

Use 3M™ Vinyl Tape 471 to mark three index points on the radome/part (one on the top and two on the sides approximately 90° apart) clearly establishing the center point, so the boot can be repositioned properly. Then mark three additional index points on the boot opposite of marks currently in place.

Step 5:

Remove the boot from the radome/part and turn the boot inside out taking care not to wrinkle the boot.

continued >

PROTECTIVE BOOTS — INSTALLATION



Step 6:

Spray the radome/part and boot with 3M™ Protective Tape Application Solution. Then place the boot back on the radome (liner will be facing up). Using thumb nail, lift edge of liner from the boot to expose a small portion of adhesive. Spray 3M Protective Tape Application Solution on this portion. When removing the remainder of the liner, continuously spray 3M Protective Tape Application Solution on the exposed boot.

Note: Using the radome/part as a holder for the boot is important when removing the liner. This prevents the boot from sticking to itself, making it unusable.



Step 7:

Remove the 3M™ Polyurethane Protective Boot from the radome/part, turn inside out again. The adhesive side should be facing the radome/part. Heavily spray radome/part and boot with 3M Protective Tape Application Solution, allowing for easy repositioning. The more 3M Protective Tape Application Solution used, the easier the application will be.



Step 8:

Apply the boot to the radome/part, taking care to match the index points at the top and sides of the boot. Reposition and reapply 3M Protective Tape Application Solution as needed until proper fit is achieved. Remove index marks.



Step 9:

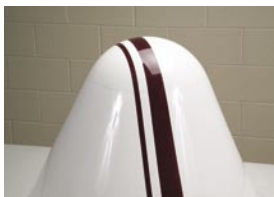
Reapply 3M Protective Tape Application Solution to the outside of the boot. Starting at the center of the radome/part, use 1–2 in. strokes with the yellow squeegee to smooth out the boot, removing the trapped 3M Protective Tape Application Solution and air bubbles.



Step 10:

Continue using short strokes, working your way down to the base. If a bubble is trapped, carefully peel boot back, reapply 3M Protective Tape Application Solution and use yellow squeegee to re-adhere. Use a clean, lint-free, silicone-free cloth to absorb the liquid at the edges of the boot. This helps the edge of the boot to stay attached to the surface of the radome/part.

Note: Small bubbles (>1/8 in.) will evaporate by themselves in less than one week. These small bubbles can be removed by using a small 1 cc syringe if necessary; however, this procedure should be kept to an absolute minimum and should not be used in the center, blunt frontal area of the boot. It is preferable to pull the boot back and reapply.



Step 11:

Dry the surface of the boot with a clean cloth. If the boot is installed on an aircraft, allow to dwell one hour at 70°F (21°C) before flight.

Repair Kits

3M™ Polyurethane Protective Tape Coating Repair Kit 8999K10

- Contains 3M™ Paint Replacement Tape and 3M™ Polyurethane Protective Tape.
- Provides tape and installation accessories to quickly and easily repair paint coatings and erosion protection in a field environment.



PRODUCT	DESCRIPTION	UPC
8999K10	Polyurethane Protective Tape Coating Repair Kit	021200 96969 0

3M™ Rotor Blade Protection Kit 8999K11

- Complete kit for field repair of erosion tape for helicopter rotor blade leading edges.



PRODUCT	DESCRIPTION	UPC
8999K11	Rotor Blade Protection Kit	048011 56703 7

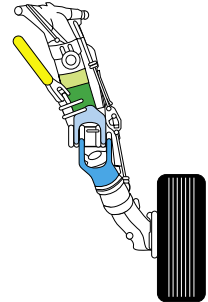
3M™ Aircraft Fuel Cell and Skin Battle Damage Repair Kit 8999K12

- Contains 3M™ Polyurethane Protective Tape and accessories.
- Kit for quickly repairing aircraft and helicopters that have sustained minor impact damage.

PRODUCT	DESCRIPTION	UPC
8999K12	Aircraft Fuel Cell and Skin Battle Damage Repair Kit	048011 56810 2

3M™ Polyurethane Protective Tape Kit 8999K1

- Uses 3M™ Polyurethane Protective Tape 8641, Gloss White.
- Kit for protecting F-18 Main Landing Gear components from corrosion, abrasion, erosion, and minor impact damage.



PRODUCT	DESCRIPTION	UPC
8999K1	F-18 Main Landing Gear Kit	021200 56588 5

Tape and Residue Removal

3M™ Tape and Residue Remover



- Non-solvent based product removes polyurethane protective tapes, tape residue and neoprene without damaging composite or metal surfaces.



PRODUCT	DESCRIPTION	UPC
	1 Gallon Can	051131 35976 5
	16 oz. Tub	051131 35975 8

PROTECTIVE TAPES — ACCESSORIES

Accessories

	DESCRIPTION	UPC/ U.S. NSN
	3M™ Scotch-Weld™ Epoxy Adhesive DP190 Gray — Duo-Pak, 1.7 fl oz A gray, flexible, two-part adhesive that cures at room temperature and provides high-strength bond with good performance in shear and peel. Used to seal edges of urethane tape and boots to prevent attack of fluids on adhesive.	021200 22647 2 1680-01-431-3607
	3M™ Scotch-Weld™ Epoxy Adhesive 2216 B/A Gray — 2 oz Tube Kit Flexible, two-part, room temperature curing epoxy with high peel and shear strength.	021200 20351 0 8040-00-145-0019
	3M™ Scotch-Weld™ Epoxy Adhesive 2216 B/A Gray — Duo-Pak, 43ml Flexible, two-part, room temperature curing epoxy with high peel and shear strength.	021200 56659 7 8040-00-145-0019
	3M™ Scotch-Weld™ EPX™ Plus II Applicator — W 2:1 and 1:1 Plunger Model 9170 Used to dispense Scotch-Weld adhesives in duo-pak cartridges. The applicator is a low-cost, portable, self-contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied.	021200 50004 6 N/A
	3M™ Scotch-Weld™ EPX™ Applicator — Model 9740, 50ml Provides fast, easy manual dispensing of Scotch-Weld adhesives in handy duo-pak cartridges.	021200 21789 0 1680-01-431-3606
	3M™ Scotch-Weld™ EPX™ Mixing Nozzle — 9742, 50 ml Used to dispense Scotch-Weld adhesives in duo-pak cartridges.	021200 21791 3 5120-01-425-1023
	3M™ Scotch-Weld™ EPX™ Plus II Mixing Nozzle — Square, Gold Cascade meter/mix nozzle for an easy squeeze of adhesive right on target. Engineered for Scotch-Weld structural adhesives in duo-paks.	021200 50008 4 N/A
	3M™ Protective Tape Application Solution — 946.3ml Pre-mixed, water-based application solution to accurately combine the materials in the preferred ratios for the desired cleaning, ease of application and performance of 3M™ Polyurethane Protective Tape and Boots. Includes yellow squeegee and spray nozzle.	048011 56800 3 N/A

continued >

Accessories

	DESCRIPTION	UPC	U.S. NSN
	3M™ Adhesion Promoter 86A — Transparent, 7 in x 7 in packet A liquid “primer” designed to be used with 3M™ Polyurethane Protective Tape and other acrylic tapes and adhesives to enhance initial adhesion in demanding situations.	021200 96361 2	N/A
	3M™ Adhesion Promoter 86A — 1 pint can A liquid “primer” designed to be used with 3M™ Polyurethane Protective Tape and other acrylic tapes and adhesives to enhance initial adhesion in demanding situations.	021200 31592 3	8040-01-450-9187
	3M™ Edge Sealer ES2000 — Duo-Pak, 1.7 fl oz A two-part urethane sealer. It is a clear, non-yellowing, durable sealer system that provides excellent resistance to environmental exposure.	021200 96227 1	N/A
	3M™ Vinyl Tape 471 — 1 in x 36 yds Tape has a vinyl backing with a rubber adhesive. Ideal for masking curved or irregular surfaces.	Blue: 021200 07204 8 Yellow: 021200 06410 4 Red: 021200 07193 5 Green: 021200 03145 8	Blue: 7510-00-634-2943 Yellow: 7510-00-664-0473 Red: 7510-01-070-0847 Green: 7510-01-259-1400
	3M™ High Performance Cloth — 12.5 in x 14 in Provides ultra cleaning power because of its knitted, interwoven construction of water- and oil- absorbing microfibers. Excellent for the removal of: compounds, polish residues, waxes, fingerprints, dust residue, abrasive residue, solvents, splatter from welding, and grease.	Blue: 048011 23589 4 White: 048011 23649 5 Green: 048011 23650 1 Yellow: 048011 23651 8 Red: 048011 23652 5	N/A
	3M™ Tape and Residue Remover — 1 gallon Non-solvent based product removes polyurethane protective tapes, tape residue and neoprene without damaging composite or metal surfaces.	051131 35976 5	N/A
	3M™ Tape and Residue Remover — 16 oz tub Non-solvent based product removes polyurethane protective tapes, tape residue and neoprene without damaging composite or metal surfaces.	051131 35975 8	N/A
			

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800-235-2376

Material Safety Data Sheets

www.3M.com/MSDS

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