





## Fly flawless.

These polyurethane protective tapes have been trusted to keep helicopters flying since 1968. So trusted, they're spec'd into many military platforms. It's a simple and cost-effective way to protect helicopter rotors from erosion, abrasion and minor impact damage. They can be installed in minimal time with simple tools. They can be painted or applied over painted surfaces.

#### 3M Legacy Rotor Blade Protection

#### 8681HS

### 8663HS

#### Approximate Applied Thickness\*:

0.014 inch (0.36 mm) total thickness

**Colors:** Transparent, Gray (multiple shades)

#### **Equipment Required:**

Squeegee and application spray

Slit: Skip slit or non-skip slit

## Approximate Applied Thickness\*: 0.018 inch (0.45 mm) total thickness

Colors: Matte Black, Transparent

#### **Equipment Required:**

Squeegee and application spray

Slit: Skip slit or non-skip slit

Liner: Available with dual liner

Repairable with 3M™ Scotch-Weld™ Repair Paste 2110.

# Cost-effective

erosion protection

Related Government Regulatory and Industry Specifications

Technical Orders:

AH-64, OH-58, UH-60, AH-1, UH-1 and CH-47 are authorized in Army technical bulletin 1-1615-351-23.

CH-53 is authorized in Navy and Marine tech directive.





## Fix it before it breaks.

Get up to 10X longer life with advanced 3M™ Polyurethane Protective Tapes. These matte black polyurethane protective tapes resist puncture, tearing, abrasion and erosion. Use with pressure sensitive adhesive (HS version) or paste adhesive (NA version). They can be painted or applied over painted surfaces.

3M Advanced Rotor Blade Protection

## 8542HS or 8542NA

8545HS or 8545NA

**Total Thickness:** 

8542HS: 0.022 inch 8542NA: 0.020 inch

Colors: Matte Black

**Equipment Required:** 

Squeegee and application spray (HS version)

Vacuum paste (NA version)

**Total Thickness:** 

8545HS: 0.042 inch 8545NA: 0.040 inch

Colors: Matte Black

**Equipment Required:** 

Squeegee and application spray (HS version)

Vacuum paste (NA version)

Repairable with 3M™ Scotch-Weld™ Repair Paste 2110.



## Future-proof your aircraft.

3M™ Cocure is more than a film. It's a revolutionary, erosion-resistant integrated system that can extend the life of composite parts. It withstands extreme temperatures up to 400°F and offers flexible processing options. It lasts 60X longer than paint, and it's repairable. Increase uptime. Minimize repairs. Save money.



NEW — Revolutionary 3M<sup>™</sup> Cocure Films

## 8730NA

Total Thickness:

Colors: Matte Black

12 mil

Equipment Required:

Autoclave OR vacuum, paste

or film adhesive

### 8732NA

**Total Thickness:** 

24 mil

Colors: Gray

**Equipment Required:** 

Autoclave OR vacuum, paste

or film adhesive

### 8734NA

**Total Thickness:** 

6 mil

Colors: Gray, Matte Black

**Equipment Required:** 

Autoclave OR vacuum, paste

or film adhesive



## **Product Specifications**

#### 3M™ Polyurethane Protective Tape

	Product	Slit	Size	Thickness	Color	3M ID Number
Advanced Leading Edge Erosion Protection	8545NA	-	Custom	40 mils	Matte Black	70-0001-1475-4
	8545HS	-	Custom	43 mils	Matte Black	70-0001-2072-8
	8542NA	-	Custom	20 mils	Matte Black	70-2022-8024-7
	8542HS	-	Custom	22 mils	Matte Black	70-0001-2073-6
Legacy Leading Edge Erosion Protection	8663HS	Skip slit	Custom	18 mils	Matte Black	70-0000-6236-7
		Non-skip slit				70-0000-6237-5
	8681HS	Skip slit	Custom	14 mils	Transparent	70-0000-8032-8
		Non-skip slit				70-0000-8099-7
Non-Leading Edge Erosion Protection	8664HS	Skip slit	Custom	6 mils	Matte Black	70-2022-7225-1
		Non-skip slit				70-2022-7303-6
Erosion Resistant Composite Surfacing	8730NA	-	Custom	12 mils	Matte Black	70-2022-8088-2
	8732NA	-	Custom	24 mils	Gray	70-2022-8120-3
	8734NA	_	Custom	6 mils	Matte Black	70-2022-8073-4

Note: NA = Non-Adhesive (film only), HS = High Shear Pressure Sensitive Adhesive

#### **Repair Products**

	Size	3M ID Number	NSN
3M™ Scotch-Weld™ Repair Paste 2110	50 mL	70-0001-1475-4	87-2500-0475-8

#### Installation Kit

	3M ID Number	NSN	
3M™ Rotor Blade Protection Kit 8999 K11	70-2022-7197-2	1615-01-529-8073	

Designed for the CH-47 Chinook but can potentially be used with other airframes. The kit includes custom cut pieces of 3M™ Polyurethane Protective Tape and application accessories — everything needed for rotor blade protection training or field installation.

For information or to order, contact your 3M representative or call:

1-866-556-5714 (Government Orders) or 1-800-235-2376 (Commercial Orders)

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