

# 3M Wind Energy

## 3M™ Wind Tapes for Blade Leading Edge Protection



# Erosion Control Solutions

3M is an industry leader in protective tape solutions for aerospace applications. Leveraging the same technology that is used to protect helicopter blades and aircraft radomes, 3M™ Wind Tape 8608 and 8609 provide effective erosion control for the leading edge of wind turbine blades.

### Product Features

- Puncture, abrasion and erosion resistant
- Install wet or dry
- UV stable
- Environmentally durable adhesives
- Fast and easy application
- Conformable to complex shapes
- Can be die-cut, plotter cut or formed into 3D shapes



# 3M™ Wind Tapes



PRODUCTS		
Property	8608	8609
Color	Transparent	Transparent
Unique Feature		Best UV stability
Thickness	0.014 in. (0.36 mm)	0.014 in. (0.36 mm)
Standard roll length <sup>2</sup>	18 yd (16.5 m)	18 yd (16.5 m)
Standard roll width <sup>2</sup>	8 in. (203 mm)	8 in. (203 mm)
Liner type	Paper	Polyethylene
Weight	0.81 lb/yd <sup>2</sup> (439 g/m <sup>2</sup> )	0.81 lb/yd <sup>2</sup> (439 g/m <sup>2</sup> )
Tensile Strength	80 lb/in. (1401 N/100 mm)	70 lb/in. (1228 N/100 mm)
Typical Elongation	500%	500%
Adhesive	Acrylic	Acrylic
Adhesion to: oz/in. (N/100 mm)		
Polyester Gel Coat	75 (82)	75 (82)
Epoxy Primer	90 (98)	90 (98)
Polyurethane Paint – Glossy	65 (71)	65 (71)
UPC	048011-57118-8	048011-57122-5
Packaging	1 roll per case	1 roll per case

PRODUCTS FOR INSTALLATION		
Description	UPC	Packaging
3M™ Edge Sealer ES 2000, 1.7 fl oz	021200-96227-1	12 per case
3M™ Scotch-Weld™ Epoxy Adhesive DP190 Gray, 1.7 fl oz	021200-22647-2	12 per case
3M™ Scotch-Weld™ EPX™ Plus II Applicator, 50 ml – 1:1 ratio	021200-50004-6	10 per case
3M™ Scotch-Weld™ EPX™ Plus II Mixing Nozzle, square, 9014	021200-50008-4	72 per case
3M™ Protective Tape Application Solution, 1 qt	048011-56800-3	1 per case
3M™ Vinyl Tape 471, 1" x 36 yds, red	021200-07193-5	72 per case
3M™ Vinyl Tape 471, 1" x 36 yds, yellow	021200-06410-4	72 per case
3M™ Tape and Residue Remover, 1 gal	051131-35976-5	4 per case
3M™ Tape and Residue Remover, 16 fl oz	051131-35975-8	6 per case
3M Abrasive Products up to Grade 320		
Rubber Gloves, Scissors, Razor Blades, Clean Towels, Isopropyl Alcohol (Rubbing Alcohol)		

<sup>1</sup>For best performance, wet installation is recommended whenever possible.

<sup>2</sup>Custom roll lengths and widths available.

Note: The data in this table represents typical values and should not be used for specification purposes. Additional data are available by contacting your local 3M sales specialist or a 3M customer service representative.

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