



Preservation Sealing Tape

481

Technical Data

May, 2008

Product Description

3M™ Preservation Sealing Tape 481 has a unique rubber adhesive that provides excellent performance as an industrial and military preservation tape.

Product Construction

Backing	Adhesive	Color	Standard Roll Length
Black polyethylene	Unique rubber formulation	Black	36 yds. (33 m)

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	25 oz./in. width (28 N/100 mm)	D-3330
Tensile Strength:	15 lbs./in. width (260 N/100 mm)	D-3759
Elongation at Break:	500%	D-3759
Backing Thickness:	7.5 mils (0.18 mm)	D-3652
Total Tape Thickness:	9.5 mils (0.24 mm)	D-3652
Water Vapor Transmission Rate:	0.5g H ₂ O/100 sq. in./24 hrs. (4g H ₂ O/0.065 sq. m/24 hrs.)	D-3833
Temperature Use Range:	20° to 170°F (-7° to 77°C)	

Features

- Conforms to many irregular surfaces and has excellent stain resistance.
- Effective for many outdoor applications in hot and cold weather over two years with quick, clean removal. Can be certified to Military Specification: SAE-AMS-T-22085 Type II.
- Polyethylene backing provides good conformability to many surfaces.
- Excellent stain resistance to a variety of surfaces.

Application Techniques

- Best results are attained when applied to a clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).

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Application Ideas

- Seals and protects various types of equipment to be stored by military and industry.
- Splicing and patching materials used by the construction industry.
- Can be certified to meet certain low sulfur, low halogen, and low heavy metal requirements for aerospace and nuclear facility preservation.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 24 months from date of manufacture.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001:2000

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Industrial Adhesives and Tapes Division

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