



Technical Data Sheet

IS1 Industrial Sealing Tape



[Additional Info](#)

Product Description

3M™ IS1 Industrial Sealing Tape is a non-permeable membrane tape with an aggressive adhesive that sticks to a variety of substrates. This product uses a specially formulated acrylic adhesive that sticks and stays stuck at a wider range of temperatures than many traditional tapes. The proprietary film backing seals around rivets, screws, staples, and nails to prevent moisture intrusion. This film is also tough, resisting punctures and tears, yet is flexible enough to be tightly tucked into corners.

Product Features

- Can be applied to substrates from 0° to 150°F (-18° to 66°C)
- Compatible with most sealants: Rubberized Asphalt, Polyurethane, Silicone and Hybrid sealants
- Great adhesion to anodized aluminum, rigid vinyl, and plywood without the need for a primer
- Seals around screws, nails, staples, and rivets to prevent moisture intrusion.
- UV Resistance up to 12 months

Technical Information Note

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

Typical Physical Properties

Attribute Name	Test Method	Value
Color		White
Adhesive Type		Acrylic
Backing		Multi-Layer Film
Liner		Polycoated Kraft
Backing Thickness	ASTM D3652	0.13 mm (5 mil)
Total Tape Thickness	ASTM D3652	0.25 mm (10 mil)
Liner Thickness		0.16 mm (6 mil)

Attribute Name	Test Method	Environmental Condition	Test Condition	Value
Water Vapor Transmission	ASTM E96		Wet Cup	4.90 ng/s/m ² /Pa (0.09 US Perms)
Water Vapor Transmission	ASTM E96		Dry Cup	5.59 ng/s/m ² /Pa (0.10 US Perms)
Nail Sealability	ASTM D1970	127 mm(5 inches) water head after 3 days		Dry/Pass

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Substrate	Value
180° Peel Adhesion	ASTM D3330	20 min	23 °C (73 °F)	Stainless Steel	57 N/100mm (52 oz/in) ¹
Tensile Strength	ASTM D3759				385 N/100mm (22 lb/in)
Elongation at Break	ASTM D882				>700 %
Temperature Use Range					-40 - 116 °C (-40 - 240 °F)

¹ 300 mm/min (12 in/min)

Application Examples

- Sealing around fasteners for exterior panels, preventing corrosion and water intrusion for busses, trucks, and RVs
- Seaming underneath roof joints, windows, and moon roofs
- Gas/fume barrier for interiors
- Sealing interior joints of HVAC or electrical enclosures
- Helps prevent water intrusion on signage

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	33 m (36 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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