



Venture Tape™ UL181A-P Aluminum Foil Tape 1581A

Technical Data

January, 2015

Product Description	3M™ Venture Tape™ UL181A-P Aluminum Foil Tape 1581A is a 2.0 mil high temperature, high strength aluminum foil coated with a cold weather acrylic pressure sensitive adhesive. Conformable foil applies easily to both fibrous and sheet metal ducts on flat and irregular surfaces.
----------------------------	--

Product Construction	Backing	Adhesive	Color	Liner	Standard Roll Length
	High tensile aluminum foil	Acrylic	Natural Aluminum	Paper	60 yds (55m)

Features	• UL181A-P Listed (UL File # MH16587) • UL181B-FX Listed (UL File # MH16587) • ULC S102 Listed [Flame/Smoke 0/0] (ULC File # R10984) • Cold weather adhesive
-----------------	--

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.
------------------------------------	--

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness ^Ω	4.0 mils	0.10 mm	PSTC-133
Peel Adhesion ^Δ	60 oz/in	16.7 N/25 mm	PSTC-101
Shear Adhesion	>24 hrs @ 2.2 psi	>24 hrs @ 15.2 kPa	PSTC-107
Tensile Strength	27 lb/in	122.0 N/25 mm	PSTC-131
Elongation	10%	10%	PSTC-131
Service Temperature	-40 to 300°F	-40 to 149°C	

Ω - excluding liner Δ - 20 minute dwell

Application Ideas	• Vapor seal on reinforced fiberglass duct board
--------------------------	--

3M™ Venture Tape™ UL181A-P Aluminum Foil Tape 1581A

Storage	Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.
----------------	---

Shelf Life	To obtain best performance, use this product within 12 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.
------------------------------	--

Product Use	Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.
--------------------	--

Warranty, Limited Remedy, and Disclaimer	Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.
---	---

Limitation of Liability	Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.
--------------------------------	--

ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/construction



Recycled Paper
40% pre-consumer
10% post-consumer

3M and Venture Tape are trademarks of 3M Company.
Printed in U.S.A.
©3M 2015 All rights reserved.
E 70-0709-4166-4