



# THERMAFIBER® ALUMINUM FOIL & FSK TAPES INSULATION TAPES



Thermafiber® Aluminum Foil and FSK Tapes are engineered to provide a vapor seal between curtain wall mullions and FSP-faced Thermafiber® FireSpan® curtain wall insulation or other foil-faced Thermafiber® mineral wool insulation products. Coated with a special cold-weather, acrylic, pressure-sensitive adhesive system that combines superior quick stick at normal temperatures with superior low-temperature performance. Recommended for use down to -25°F as well as normal and very high temperatures. These are the ultimate in cold-weather tapes.

## Features

- Provides vapor seal for seams and edges of foil-faced insulation
- Exceptional adhesion in hot, moderate, and cold weather
- Easily conforms to irregular surfaces and corners
- UL 723 classified
- Available for toploading on truckloads of Thermafiber® products or LTL shipments
- Superior resistance to weathering, mold, UV, and environment conditions.
- Available in a variety of widths

## Product Options

- **Aluminum Foil Tape** – 2 mil, high-strength aluminum foil coated with an aggressive, high-temperature acrylic adhesive system.
- **FSK Tape** – tri-directionally reinforced with 2 x 3 sq./in. fiberglass scrim, UL listed foil/scrim/kraft lamination.

## Standards, Codes Compliance

ASTM C1136	FSK Tape, Meets
UL File Number	R10984
U.S. Coast Guard	Aluminum Foil Tape (CGA #164.112/63/0) (CGA #164.112/121/WCL MED 0287)

## Technical Data

	ALUMINUM FOIL TAPE		FSK TAPE	
	IMPERIAL	METRIC	IMPERIAL	METRIC
Thickness	3.2 mils (0.0032")	0.08 mm	5.5 mils (0.0055")	0.14 mm
180° Peel Adhesion (PSTC 1)	51oz/inch width	5.6 N/cm	66 oz/inch width	18.3 N/2.5 cm
Tensile (PSTC 31)	21 lbs/inch width	36.8 N/cm	39 lbs/inch width	68.3 N/cm
Elongation (PSTC 31)	9%	9%	2%	2%
Low Temperature Application	-40°F	-40°C	-40°F	-40°C
High Temperature Resistance	260°F	127°C	240°F	116°C
Emittance (ASTM C1371)	0.03	—	0.03	—
WVTR (ASTM E96 Proc. A)	0.02 U.S. perms	—	0.02 U.S. perms	—
Flame Spread (ASTM E84)	10	10	10	10
Smoke Developed (ASTM E84)	10	10	10	10

## Availability

	WIDTHS <sup>1</sup>	LENGTH/ROLL	ROLLS/CASE <sup>2</sup>
Aluminum Foil Tape	2.5"	50 Yards	20
Aluminum Foil Tape	3"	50 Yards	16
FSK Tape	2"	50 Yards	24
FSK Tape	3"	50 Yards	16
FSK Tape	4"	50 Yards	12
FSK Tape	6"	50 Yards	8

<sup>1</sup> Custom sizes may be available upon request.

<sup>2</sup> Minimum order quantity is one case.

## Installation

1. The surface to which the tape is to be applied should be free of oils, dust, and dirt. The surface should be cleaned with a dry cloth.
2. The release liner should then be removed 1-2 feet at a time and the adhesive face pressed firmly on the insulation facing. Care should be taken not to stretch the tape tightly as this will create buckles and voids in the contact area. Care must also be taken to apply the tape on the center so that there is adequate area on both sides of the joint for the tape to bond. Uneven width distribution also puts additional shear stress on the smaller side of the joint.
3. The tape should then be wiped firmly from the center out (like wallpaper) with the black soft side of the white plastic wiping tool enclosed with each carton. The more pressure that is applied, the more surface contact will be reached; therefore, the greater the bond surface.
4. The tape should then be cut and fitted with a knife and scissors. The same wiping instructions should be used as in Step #3.

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## Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at [www.owenscorning.com](http://www.owenscorning.com).

## Disclaimer of Liability

Thermafiber, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Thermafiber, Inc. liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

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## Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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