



PITTWRAP® Z55 JACKETING



Description

PITTWRAP® Z55 Jacketing is a reversible, three-ply membrane consisting of 18 micron white PET, 25 micron aluminum, and 12 micron clear PET used for protecting FOAMULAR® XPS Pipe Insulation.

This product can be applied with the aluminum side out or the white side out.

Type of Delivery & Storage

- Roll dimension: 35.5 in x 1000 ft / 90.2 cm x 304.8 m
- Weight: 70.3 lb / 31.9 kg
- Jacketing should be handled and stored in a manner as not to damage the material and its packaging. For best results, rolls should be stored vertically; however, the rolls may be stored horizontally in their cartons provided the rolls are not exposed to damage by excessive weight of the stacked materials.
- Store away from sparks or flames.
- Consult the Safe Use Instruction Sheet for additional storage and handling information.

Typical Properties

PROPERTY	TEST METHOD	SI	ENGLISH
Color		Aluminum/White	
Weight (Nominal)		0.106 kg/m ²	0.022 lb/ft ²
Service Temperature ²			
Maximum	ASTM C1258	49°C	120°F
Minimum	ASTM D1790	-75°C	-103°F
Thickness, Total		55 microns	2.17 mils
Permeance	ASTM E96 Procedure A	0.031 ng/Pa • s • m ²	0.00054 perm
Tensile Strength Reported as breaking factor	ASTM D882	57.0 N/cm (MD) 62.6 N/cm (XD)	32.6 lbf/in (MD) 35.7 lbf/in (XD)
Elongation % min	ASTM D882	24%	
Dimensional Stability	ASTM D1204	<0.25%	
Puncture Resistance	ASTM D1000	107 N	24.0 lbf
Mold/Mildew/Fungi Resistance	ASTM C1338	Pass	
Surface Water Resistance	ASTM D3285	Pass	
Elevated Temperature & Humidity Resistance	ASTM C1258	Pass	
Flame Spread/ Smoke Development	ASTM E84	<25/50	
Burst Strength	ASTM D3786	723.95 kPa	105 psi

- 1 Service temperature limits are derived from laboratory evaluation of the product under conditions that simulate real-world applications. Variations in substrates, loading conditions, or other external factors not explicitly covered by our guide specifications may further limit service temperature. Always follow the appropriate Owens Corning guide specifications, product data sheets, and application instructions for suitability for use recommendations for specific applications.

Coverage

Standard application of jacketing to FOAMULAR® insulation:

The required amount of jacketing for a section of insulated pipe can be calculated as follows. These figures DO NOT include losses.

Required Jacketing Area (A)

Assuming a 2 inch (50 mm) circumferential overlap and a 2 inch (50 mm) longitudinal overlap for field application

Equation 1, English Units (35.5-inch-wide roll)

$$A \text{ (ft}^2\text{)} = 0.09 \text{ } l \text{ } [\pi(d+2t)+2]$$

Equation 2, SI Units (0.9-meter-wide roll)

$$A \text{ (m}^2\text{)} = 0.001 \text{ } l \text{ } [\pi(d+2t)+50]$$

Where d = actual pipe diameter in inches or mm,
 t = insulation thickness in inches or mm, and
 l = pipe length in ft or m

2 Figures DO NOT include losses.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for, the accuracy or reliability of data associated with particular uses of any product described herein.



OWENS CORNING FOAM INSULATION, LLC
PITTSBURGH CORNING, LLC

ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA

Toll Free + 1 800 327 6126

For web-based Sales and Technical Service
inquiries, please visit **www.owenscorning.com**.

Pub. No. 10025235-B, March 2025.
© 2025 Owens Corning. All Rights Reserved.
© 2025 Pittsburgh Corning, LLC. All Rights Reserved.