



Thermafiber® Industrial Wrap

Mineral Wool Insulation



Description

Thermafiber® Industrial Wrap, made with Paroc® technology, is a mineral wool wrap capable of withstanding high temperatures and is designed to be used in industrial equipment and applications. This product is used to insulate large diameter piping, vessels and ducts. Thermafiber® Industrial Wrap is available with or without a reinforced aluminum facing.

Physical Properties

Property	Test Method	Value
Maximum Use Temperature	ASTM C411 & ASTM C447	1200°F (649°C)
Density	ASTM C167	5.3 pcf (actual), 8 pcf (nominal)
Liner Shrinkage	ASTM C356	< 2% at 1200°F (649°C)
Shot Content	ASTM C1335	< 10%
Water Vapor Sorption	ASTM C1104	< 1.0% by weight
Corrosiveness to Steel	ASTM C665	Pass - Steel
Corrosiveness to Steel	ASTM C1617	Pass - Steel
Stress Corrosion Evaluation on external stress corrosion cracking tendency of austenitic stainless steel	ASTM C795 & ASTM C692	Pass
Chemical Analysis for Cl-, F-, Na+, SiO ₃	ASTM C795 & ASTM C871	Results fall within acceptability limits
Thermal Resistance	ASTM C518	R-4.2/inch (@ 75°F)
Surface Burning Characteristics ¹	ASTM E84 & CAN/ULC S102	Flame Spread = 0 Smoke Developed 5
Combustibility	ASTM E136 & CAN/ULC S114	Non-combustible

1. The surface burning characteristics of these products have been determined in accordance with ASTM E84 and CAN/ULC-S102. Values are reported to the nearest 5 rating.

Thermal Conductivity

Tested to ASTM C 177							
Mean Temperature °F	100	200	300	400	500	600	700
k (Btu-in/hr-ft ² -°F)	0.25	0.30	0.36	0.43	0.50	0.60	0.70
Mean Temperature °C	38	93	150	204	260	316	371
λ (W/m·°C)	0.036	0.044	0.052	0.061	0.073	0.086	0.101

Standards, Codes Compliance

- ASTM C553, Mineral Fiber Blanket Thermal Insulation; Type VII

Product Availability

Thickness (in.)	Width (ft.)	Length (ft.)	Ft ² /Roll
1.5"	3'	20'	60
2"	3'	13'	39
3"	3'	8'	24

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 <http://sustainability.owenscorning.com>.

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The above product properties reflect only to ASTM standards. For an extended list of approvals and product certifications, please contact your Owens Corning dealer at 1-800-GET-PINK®.

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