



THERMAFIBER® PRO SECTION WR MINERAL WOOL PIPE INSULATION



Description

Owens Corning® Thermafiber® Pro Section WR, made with Paroc® technology, is a water repellent mineral wool pipe insulation engineered to meet the toughest industrial specifications and conditions. It is capable of withstanding high temperatures, conserving energy, and reducing noise. Thermafiber® Pro Section WR is designed for use on high temperature pipework in process industries and fire resistant applications.

Standards, Codes Compliance

- ASTM C547, Mineral Fiber Pipe Insulation, Types I, II, and IV, Grade A
- ASTM C795, Thermal Insulation for Use in Contact with Austenitic Stainless Steel¹
- Nuclear Regulatory Commission Guide 1.36, Non-Metallic Thermal Insulation¹

¹Preproduction qualification testing complete and on file. Chemical analysis of each production lot required for total conformance. Certification needs to be specified at time of order.

Availability

Our Industrial Mineral Wool Pipe Insulation portfolio is available in thicknesses up to 4" with inside diameters of up to 30". Contact your local Owens Corning Area Sales Manager for product availability.

NOTE: The listed product properties reflect only to ASTM standards. For an extended list of approvals and product certifications (including noise reduction data), please contact your Owens Corning dealer at 1-800-GET-PINK®.

Physical Properties

PROPERTY	TEST METHOD	VALUE
Nominal Density	ASTM C302	8.0 pcf
Maximum Use Temperature	ASTM C411 & ASTM C447	1200°F (649°C)
Liner Shrinkage	ASTM C356	<1.3% at 1200°F (649°C)
Shot Content	ASTM C1335	<14%
Water Vapor Sorption	ASTM C1104	<1.0% by weight
Water Absorption	EN 13472	≤0.04 lb/ft ² (≤0.2kg/m ²)
Surface Burning Characteristics	ASTM E84	Flame Spread = 0 Smoke Developed ≤ 10
Combustibility/Reaction to Fire	ISO 1182	Non-combustible
CORROSION RESISTANCE	TEST METHOD	VALUE
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
Trace quantity of water leachable chloride ions	EN 13468	≤10 ppm
Corrosion	ASTM C665	Pass - Steel

Thermal Conductivity

TESTED IN ACCORDANCE TO ASTM C547

Mean Temperature °F	100	200	300	400	500	600	700
k (Btu · in/hr · ft ² · °F)	0.24	0.28	0.33	0.39	0.45	0.52	0.59
Mean Temperature °C	38	93	149	204	260	316	371
λ (W/m · °C)	0.034	0.041	0.048	0.056	0.065	0.074	0.085

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>.

For more information on the Owens Corning family of building products, contact your Owens Corning dealer, call 1-800-GET-PINK®, or access www.owenscorning.com.

Disclaimer of Liability

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