



Cerafiber Wet Pack is manufactured by combining Cerablanket®, a needled refractory fiber blanket, and inorganic binding agents. Cerafiber Wet Pack is packaged in moist form in polyethylene bags. It is flexible and exhibits high tensile strength in the wet state. When air dried, it becomes a strong, hard, rigid structure.

Two of its most important features include its freeze-thaw stability and no binder migration. It is formulated so that freezing does not significantly affect its strength. In addition, the binder particles do not migrate toward the surface. A rigid, homogenous structure is present throughout the entire material.

Cerafiber Wet Pack can be used for a wide variety of industrial applications. The flexible sheets can be inserted in hard to reach areas. They are easily cut and can be custom molded in complex shapes to a required size, shape and thickness. When the product dries, a hard surface is created. The rigid surface is ideal for service where furnace velocities are of concern.

Features

- Refractory use limit, 2400°F (1316°C)
- Low binder migration
- Freeze-thaw stability
- High flexural strength
- High tensile strength
- High heat resistance

Applications

- Pipe wrapping
- Valve enclosures
- Flue and stack linings
- Engine and power plant insulation
- Hot-face layer where velocity is of concern
- Catalytic converter wrapping

Physical Characteristics

Color	white
Density, wet, lb/ft ³ (kg/m ³)	52 (23.6)
dry, lb/ft ³ (kg/m ³)	22 (10)
Specific heat, Btu/lb°F (J/kg•K)	0.26 (1087.8)

Standard Sizes

- 2' x 3' (0.60 m x 0.90 m)
- Thickness, in. (mm) ¼, ½, ¾, 1 (6.25, 12.5, 18.75, 25)

Thermal Conductivity, Btu•in./hr•ft²•°F (*w/m•k*) (ASTM C 417)

Mean temperature

@ 500°F (260°C)	0.48 (0.07)
@ 1000°F (538°C)	0.74 (0.10)
@ 1500°F (816°C)	1.10 (0.16)
@ 2000°F (1093°C)	1.55 (0.22)

Limited Warranty

Thermal Ceramics warrants that its products are manufactured in accordance with its applicable material specifications and are free from defects in materials and workmanship using Thermal Ceramics specifications as a standard. Only products which are installed and used in accordance with applicable Thermal Ceramics instructions and specifications are in any way warranted by Thermal Ceramics. This warranty is applicable only to claims made in writing and received by Thermal Ceramics within 30 days after the defect was discovered and within one year after the date of shipment of the product by Thermal Ceramics. All other claims are waived. If a claim is made, you must allow reasonable investigation of the product you claim is defective and you must supply samples that adequately demonstrate the problem you claim for testing by Thermal Ceramics.

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Data are average results of tests conducted under standard procedures and are subject to variation.

Data contained in this brochure are intended as a guide only. For specifications and estimating purposes, contact your nearest Thermal Ceramics representative.

Thermal Ceramics Marketing Offices
Thermal Ceramics Americas
T: (706) 796 4200 F: (706) 796 4398
Thermal Ceramics Asia Pacific
T: +65 273 1826 F: +65 2730165
Thermal Ceramics Europe
T: +44 (0) 151 334 4030
F: +44 (0) 151 334 1684

North America Sales Offices
Canada
T: (905) 335 3414 F: (905) 335 5145
United States Southeastern Region
T: (800) 338 9284 F: (706) 796 4324
United States Midwest Region
T: (888) 649 2442 F: (630) 527 0285

United States Eastern Region
T: (877) 787 3385 F: (330) 995 2908
United States Western Region
T: (800) 990 5264 F: (714) 521 4662
Mexico
T: +52 (5) 576 6622
F: +52 (5) 576 1706

South America Sales Offices
Argentina
T: +54 (1) 14373 4439
F: +54 (1) 14372 3331
Brazil
T: +55 (21) 2418 1366
F: +55 (21) 2418 1205

Chile
T: +56 (2) 854 1064 F: +56 (2) 854 1952
Colombia
T: +56 (222) 82935 F: +56 (222) 82803
Guatemala
T: +50 (2) 4733 295 F: +50 (2) 4730 601
Venezuela
T & F: +58 241 858 2192/858 9562