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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Density, wet, lb/ft³ (kg/m³)</td>
<td>52 (23.6)</td>
</tr>
<tr>
<td>Dry, lb/ft³ (kg/m³)</td>
<td>22 (10)</td>
</tr>
<tr>
<td>Specific heat, Btu/lb°F (J/kg•K)</td>
<td>0.26 (1087.8)</td>
</tr>
</tbody>
</table>

**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)
Cerafiber Wet Pack

Product Information

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

Mean temperature

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Thermal Conductivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 500°F (260°C)</td>
<td>0.48 (0.07)</td>
</tr>
<tr>
<td>@ 1000°F (538°C)</td>
<td>0.74 (0.10)</td>
</tr>
<tr>
<td>@ 1500°F (816°C)</td>
<td>1.10 (0.16)</td>
</tr>
<tr>
<td>@ 2000°F (1093°C)</td>
<td>1.55 (0.22)</td>
</tr>
</tbody>
</table>

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.

Thermal Ceramics disclaims all implied warranties including the warranty of merchantability and the warranty of fitness for a particular purpose. This limited warranty provides your exclusive remedy as a purchaser of Thermal Ceramics products. This limited warranty may be modified or amended only by a written instrument signed by a duly authorized representative of Thermal Ceramics. Without an express, written authorization from Thermal Ceramics, no retailer or distributor of Thermal Ceramics products has the authority to modify or amend this limited warranty.

Limitation of Liability

This limited warranty is your sole and exclusive remedy. It is expressly understood and agreed that the limit of Thermal Ceramics liability will be, at Thermal Ceramics, option, repair, resupply of a like quantity of non-defective product, or refund of the purchase price of the defective product. All labor and service charges which may be incurred with respect to either the original or replacement product are excluded. Thermal Ceramics shall have no liability except where the claim results solely from breach of Thermal Ceramic's limited warranty.

Thermal Ceramics shall not be liable for any incidental or consequential damages. Furthermore, Thermal Ceramics shall not be liable for damage to the property to which the product is applied or its contents, loss of time, profits, or any inconvenience arising out of any breach of this limited warranty or obligations under this limited warranty. Thermal Ceramics shall not be liable for any damages which are based upon negligence, breach of warranty, strict liability, or any other theory except the limited warranty set forth above. Incidental and consequential damage shall not be recoverable even if the replacement remedy fails of its purpose or for any other reason.

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.