Industrial Products

Minimum 70% Recycled Content
Industrial Board

- Economical, semi-rigid, preformed mineral fiber insulation.
- Excellent thermal performance in both hot and cold applications; conserves energy, maintains process temperatures, provides personnel protection and prevents condensations.
- Available in nominal densities from 4 pcf to 12 pcf.
- Suitable for temperatures up to 1,200° F (650° C).
- Easily fabricated and installed.
- Non-combustible and non-corrosive.
- Excellent thermal performance and resiliency.
- Dimensionally stable at elevated temperatures.

Industrial Felt

- Mineral fiber board for thermal, fire protection, and sound control applications.
- Semi-rigid composition – easy to handle, fabricate and install.
- Available from 2.5 pcf to 12.0 pcf density along with many different facing options if needed.
- Wide range of densities allows for adaptation in industrial applications for a broad scope of low or high temperature situations.
- Fire resistant to temperatures above 2,000° F (1,093° C).
- Thermal performance (R-Value up to 4.2 per inch).
- Vermin-proof, moisture & mold resistant.

Industrial Blanket

- Economical, flexible insulation that is suitable for continuous service applications up to 1,200° F.
- Provides excellent thermal and acoustical performance in both hot and cold applications to conserve energy, maintain process temperatures, prevents condensation, and reduces noise emission and transmission.
- Available in nominal densities of 4 pcf, 5 pcf, 8 pcf, and 10 pcf.
- Absorbs less than 1% moisture, vermin proof, and mold resistant.
- Excellent thermal performance and resiliency.
- Dimensionally stable at elevated temperatures.

Metal Mesh Blanket

- Made from preformed mineral wool insulation that is stitched to various metal facings.
- Easy to cut, install and form around curved surfaces or irregular shapes.
- Widely used for insulating utility boilers, ducts, precipitators, tanks, expansion joints, cylindrical refinery applications, power and process equipment and other industrial applications.
- Durable and economical solution for multiple applications where thermal shock and vibration are present.
- Non-combustible, non-deteriorating, and inorganic.
- Engineered for high temperature application up to 1,200° F (649° C).

K-FAC® SR

- Nominal 14 pcf high density semi-refractory felt.
- Used for service temperatures up to a maximum of 1,900° F (1,038° C).
- Performs effectively over a wide range of uses, including replacement of mineral wool board and calcium silicate insulations in high heat ovens, furnaces, precipitators, fire door cores and many other similar installations.
- Not for use in load bearing situations or to be subjected to direct flame impingement.
- Easily fabricated and installed.
- Non-corrosive.

K-FAC® 19

- High temperature board used for service temperatures up to a maximum of 1,900° F (1,038° C) on the hot surface of the enclosed panel.
- Composed of mineral fiber and selected mineral additives.
- High compressive strength.
- Use of an organic binder that dissipates above approximately 475° F allows for low temperature handling.
- Not to be subjected to direct flame impingement as a hot face material.
- Easily fabricated and installed.
- Non-corrosive.
- Available in standard sizes, in stock for quick shipment.

ThermaTex™ 1800

- A bio-soluble, organic free, mechanically bonded mineral fiber insulation designed for use up to 1,800° F (982° C).
- Manufactured using enhanced mineral fiber chemical technology and a patented fiber mat forming process to create a thermally efficient product with excellent handling strength.
- Will not release smoke and odor emission when exposed to high temperatures.
- Easy to handle and readily adapts to irregular surfaces.
- Available in labor reducing roll form.

Industrial Board is a semi-rigid, preformed mineral fiber insulation that is suitable for temperatures up to 1,200° F (650° C).

The semi-rigid composition makes Industrial Felt easy to handle, fabricate, and install for a broad range of applications.

Thermafiber Industrial Blanket is easily fabricated and installed and is non-combustible.

Flexible insulation ideal for cylindrical surfaces.

K-FAC SR provides high temperature insulating properties and easy application.

K-FAC 19’s strength provides easy handling. It can be cut by hand with a knife or saw for easy fabrication.

Low thermal conductivity with excellent resistance to thermal shock.
Thermafiber® Granulated Products

**Industrial Bulk/Packing Wool**
- **Purpose:** Thermal Efficiency, Acoustical Performance.
- **Characteristics:** Mineral Wool formed into medium or regular sized nodules.
- Granulated – *Poured* in at a density of 4.0 pcf has an 800°F continuous operating temperature rating.
- Granulated – *Packed* in at a density of 8.0 pcf has a 1,200°F continuous operating temperature rating.

**Spray Wool – Pneumatically applied**
- Same product as Industrial Bulk Wool except is white in color.
- Typical uses include applications where spray applying bulk wool is less labor intensive than hand packing.
- Spray wool is also used as a component in structural fireproofing materials.

**High Performance (HP) Wool – Packing**
- **Purpose:** Higher temperature applications above 1,200°F up to 1,900°F continuous operating temperature. For applications up to 1,900°F the material must be installed (packed) at a density of 14.0 pcf.
- **Characteristics:** Darker fiber allows for less shrinkage, and better thermal conductivity.
- Also used for artificial (glowing) embers in gas fireplaces.

**Industrial #10 Granulated Wool – Packing**
- **Purpose:** Same as Industrial Bulk Wool however, material is identified as Industrial #10 Granulated Wool for approved use in U.S. Coast Guard Specification 164.009/169/0.

**FRF Wool**
- A granulated product where characteristics such as nodule size, color, chemistries, coatings, and shot contents are important to the application.
- The FRF products offer several combinations of different custom features.
- Used in a variety of industries including friction components, epoxies, paints, reinforcements, and gaskets.

**High Performance FRF 514 & 114**
- FRF 514 is made with a small nodule size (BB size) to put into small openings typically 1 - 1 ½” wide. It can be used for blending into batch of slurry applications where fiber dispersion is critical.
- FRF 114 is highly refined to offer the lowest non-fiberous content (5%).
**Thermafiber® U.S. Coast Guard Felt**

- Available from 2.0 pcf to 9.0 pcf density
- Classified noncombustible, achieves fire-resistance ratings above 2,000° F (1,093° C), and meets requirements for insulations impaled on structural bulkheads
- Excellent thermal performance (R - Value up to 4.2 per inch)
- Absorbs less than 1% moisture
- Vermin-proof and mold resistant
- Does not corrode steel or aluminum as tested per HH-I-448B.
- Exceptional sound and noise absorption
- Easily fabricated and installed.

Standards Compliance:

**Thermafiber® Industrial Board**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ASTM E 136</td>
<td>Rated Non-Combustible per NFPA Standard 220</td>
</tr>
<tr>
<td>ASTM C 356</td>
<td>Linear shrinkage &lt; 2% @ 1,200° F (650° C)</td>
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<tr>
<td>ASTM C 612</td>
<td>Industrial Board 120 Type IA, Industrial Board 60-100 Type IA, IB, II, III, IVA, IVB</td>
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<tr>
<td>ASTM C 612</td>
<td>Meets applicable analysis for austenitic stainless steel</td>
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<tr>
<td>ASTM C 612</td>
<td>9.0 pcf - 10.0 pcf IA, IB, II, III, IVA, IVB</td>
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<tr>
<td>ASTM C 553</td>
<td>3.0 - 12.0 Type III</td>
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<tr>
<td>ASTM C 1104</td>
<td>Adsorption less than 1% by volume</td>
</tr>
<tr>
<td>ASTM C 165</td>
<td>12 pcf - 590 pcf @ 10% compression, 10 pcf - 460 pcf @ 10% compression</td>
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**Thermafiber® K-FAC® SR**

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<tbody>
<tr>
<td>ASTM C 612</td>
<td>Type V Grade B</td>
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<tr>
<td>ASTM C 1104</td>
<td>Absorption less than 1% by volume</td>
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<tr>
<td>MIL-I-24244</td>
<td>Meets applicable analysis for austenitic stainless steel</td>
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<tr>
<td>ASTM C 165</td>
<td>590 pcf @ 10% compression</td>
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<tr>
<td>ASTM E 84</td>
<td>Flame Spread 0 Smoke Developed 0</td>
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<tr>
<td>ASTM C 411</td>
<td>Maximum Hot Face Temperature One Side (enclosed panel): 1,900° F (Static Condition); 1,400° F (Dynamic Condition)</td>
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**Thermafiber® K-FAC® 19**

<table>
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<tr>
<th>Standard</th>
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<tbody>
<tr>
<td>ASTM E 84</td>
<td>Flame Spread 25 Smoke Developed 5</td>
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<tr>
<td>ASTM C 612</td>
<td>Type V</td>
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**Thermafiber® Industrial Blanket**

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For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.