



INDUSTRIAL MINERAL WOOL INSULATION PRODUCT OVERVIEW

THERMAFIBER® INDUSTRIAL PRODUCTS

THERMAFIBER® PRO SECTION WR PIPE INSULATION

- Used for process piping
- Available sizes up to 30" ID with thicknesses up to 4"
- 4' lengths, saving time for longer runs
- Market-leading water repellency up to 572°F (300°C)
- Easy to fabricate and install
- Superior durability and workability
- ISO 15665 compliant acoustical systems available



THERMAFIBER® INDUSTRIAL BOARD

- Used for flat work including large boilers, tanks, ovens and tank walls
- Easily fabricated and installed
- Excellent thermal performance and resiliency
- Dimensionally stable at elevated temperatures
- Wide range of densities and dimensions available
- Consistent quality material with crisp corners and edges and minimal shot and slugs



THERMAFIBER® INDUSTRIAL FABRICATION BOARD

- Specifically designed for fabrication into pipe and tank wrap, v-groove and cut pipe
- Crimped fibers provide strength during fabrication and finished pipe durability
- Easily fabricated
- Excellent thermal performance and resiliency
- Dimensionally stable at elevated temperatures



THERMAFIBER® INDUSTRIAL BLANKET

- Flexible mineral wool blanket ideal for non-flat surfaces such as tank walls and vessels
- Wide range of densities and dimensions available
- Excellent thermal performance and resiliency
- Dimensionally stable at elevated temperatures



THERMAFIBER® INDUSTRIAL FELT

- Used for flat work including large boilers, tanks, ovens and tank walls
- Easily fabricated and installed
- Excellent sound and noise absorption



THERMAFIBER® K-FAC® 19

- Used at service temperatures up to a maximum of 1,900°F (1,038°C)
- High-density at nominal 18.5 pcf high temperature board
- Used in incinerators, furnaces, kilns, boilers and other applications where high-temperature insulation is required
- Excellent strength, stability and workability
- Composed of mineral fiber and selected mineral additives
- Easily fabricated and installed
- Moisture-resistant



THERMAFIBER® 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) in static applications or 1,400°F in dynamic applications
- Performs effectively over a wide range of uses, including 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



THERMAFIBER® GRANULATED PRODUCTS

INDUSTRIAL BULK/PACKING WOOL

- Multi-purpose: Thermal Efficiency, Acoustical Performance
- Characteristics: Mineral Wool formed into medium or regular sized nodules
- Continuous Service:
 - Poured in at a density of 4.0 pcf has an 800° F continuous operating temperature rating
 - Packed in at a density of 8.0 pcf has a 1,200° F continuous operating temperature rating



INDUSTRIAL #10 GRANULATED WOOL – PACKING

- Same as Industrial Bulk Wool however, material is approved by the United States Coast Guard and Solas for use as a noncombustible material in marine vessels



SPRAY WOOL

- Same product as Industrial Bulk Wool except with a whiter 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



CRYOGENIC WOOL

- Economical fiber used in a variety of industrial cryogenic applications
- Predictably low in organic matter, thus ensuring a low risk of explosion in a liquid oxygen environment
- Can be installed by hand-packing or pneumatic blowing
- Well suited for cold boxes where inspection probes or pipes are tunneled to meet process needs



HIGH PERFORMANCE (HP) WOOL

- 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 minimum 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



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 (examples can be seen in the picture to the right)
- Used in a variety of industries including friction components, epoxies, paints, reinforcements, and gaskets



HIGH PERFORMANCE FRF 514

- 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 or slurry applications where fiber dispersement is critical

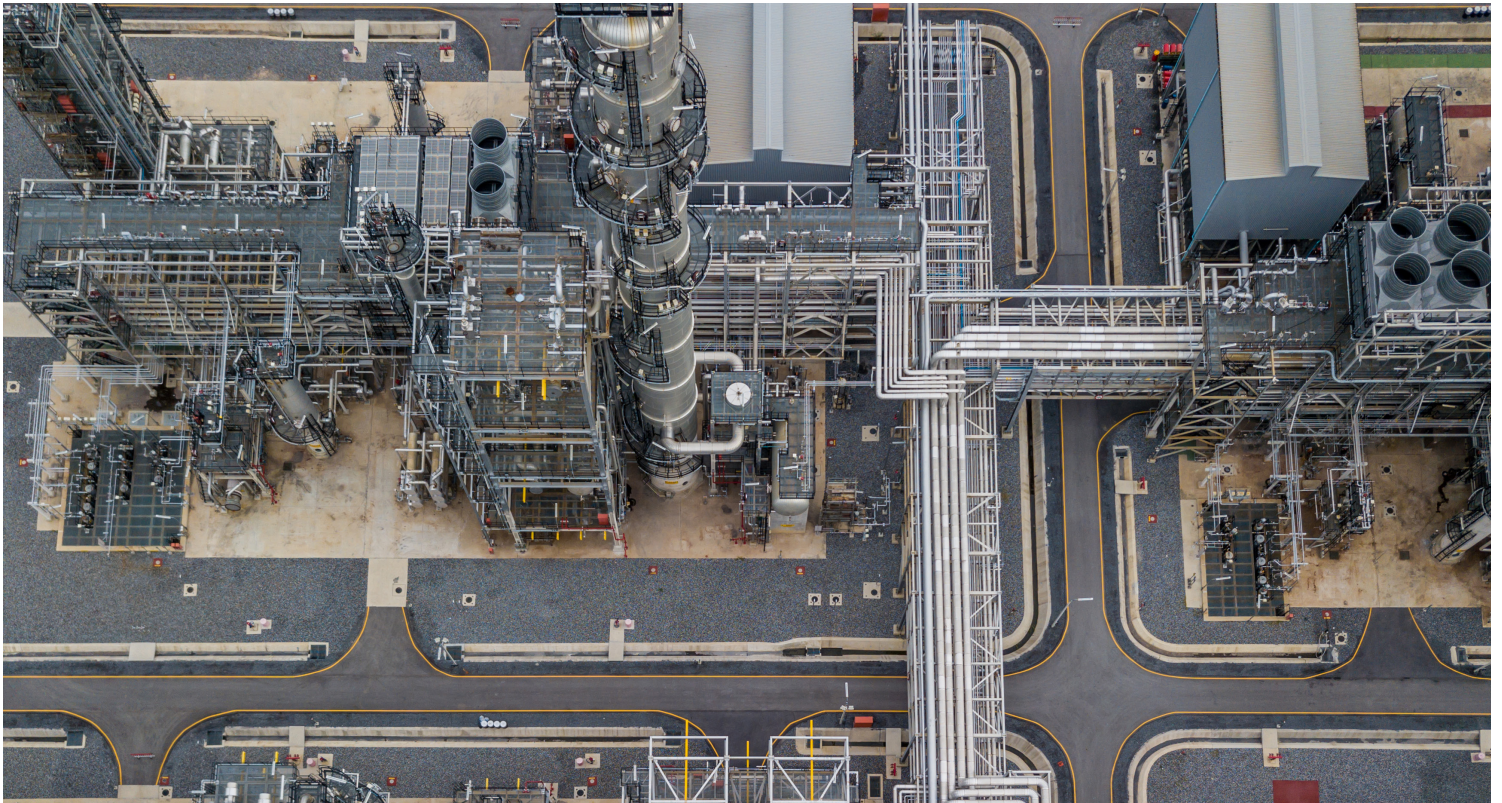


THERMAFIBER® MARINE PRODUCTS

THERMAFIBER® A60 MARINE BOARD

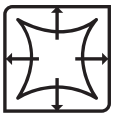
- Designed to provide passive structural fire protection aboard steel vessels required to meet offshore fire requirements
- Certified per the US Coast Guard A60 Rating for Steel Bulkheads and under Steel Decks in compliance to the IMO FTP Code, Part 1, and Part 3. USCG Certificate No.: 164.107/28/0
- Maintains process temperatures and offers excellent thermal performance
- Resists damage and maintains structural integrity and efficiency
- Resilient, easy to handle and fabricate on the job site
- Reduces heat transfer, which may help lower operating costs
- Dimensionally stable at elevated temperatures
- Conserves energy
- Provides personnel protection
- Enhanced acoustical absorption that reduces noise emission and transmission
- Non-combustible per IMO 164.109
- Non-corrosive



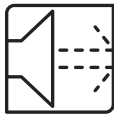


BENEFITS OF MINERAL WOOL INSULATION

Mineral wool insulation - the most effective and widely used insulation in process industries. The excellent thermal insulation qualities and high-temperature durability of mineral wool insulation is highly valued and make it especially well-suited to demanding industrial applications. As a non-combustible and non-corrosive material, mineral wool insulation also has a positive impact on overall fire safety.



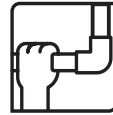
DURABLE



**SOUND
REDUCING**



**FIRE
RESISTANT**



SAFE



**ENERGY
EFFICIENT**



For product data sheets and more information, please visit
www.owenscorning.com/industrial.

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