INDUSTRIES 3R

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WOOL

3R2750HT

Foundries, Steel Mills, and Aluminum Smelters
Health and Safety

Description

Made of Superwool long fibers, these blanket exhibit outstanding insulating properties at elevated temperatures. They have excellent thermal stability and retain their original soft fibrous structure up to maximum continuous temperature use. They are needled on both sides and have a high tensile strength before and after heating. They do not contain binders nor lubricants and do not emit any fumes or smells during the first firing.

Applications

This material is recommended for various applications such as :
furnace klins, reformer and boiler lining, laboratory ovens, furnace door lining and seals, stress – relieving blankets,expansion joints , high temperature gasketing and fire protection.

Specifications

Technical Data	
Color	White
Temperature	1050°C (1920°F), Short time: 1325°C (2400°F)
Density lbs/ft³ (kg/m³)	6 (96) and 8 (128)
Thickness	1/4" to 2"
Composition	SiO2: 62-68%, CaO : 26-32%, MgO: 3-7%, Other: 1%
Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) 260°C (500°F) 8 lbs/pi³	0.41
Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) 538°C (1000°F) 8 lbs/pi³	0.85

Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) 816°C (1500°F) 8lbs/pi³	1.57
Thermal conductivity, BTU in/hr ft2 °F (w/m.k) (ASTM C201) 1093°C (2000°F) 8 lbs/pi³	2.54