

ArtWool 8® is an industrial batt made of stone wool insulation.

#### Applications

Designed for use where high temperature and fire resistance are concerns:

- **O.E.M. industries**
- **Drying/oven equipment**
- **Petro-chemical**
- **Power generating plants**
- **Boilers**
- **Furnaces**
- **Towers**

#### Properties

- **Fire resistance properties, non-combustible**
- Designed for **high temperature applications**
- Melting point of approximately 2150°F (1177°C)
- Service temperature of 1200°F (650°C)
- **Lightweight and flexible**
- Can be fabricated and laminated
- Excellent **thermal resistance**
- **Water repellent** yet vapor permeable material

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#### Technical Data

##### Compliance and Performance:

ASTM C 553	Stone Fiber Blanket Thermal Insulation	Type VII, Complies
MEA Approval	New York City Approval	335-97-M

##### Fire Performance:

ASTM E 136	Behavior of Materials at 750°C (1382°F)	Non-Combustible
CAN4 S114	Test for Non-Combustibility	Non-Combustible
ASTM E 84(UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0

<b>Maximum Service Temperature:</b>		
ASTM C 411	Hot Surface Performance	In Compliance with ASTM C612 @ 1200°F(650°C)
<b>Dimensional Stability:</b>		
ASTM C 356	Linear Shrinkage	
ArtWool 8	0.68% @ 1200°F (650°C)	
<b>Moisture Resistance:</b>		
ASTM C 1104	Moisture Sorption	
ArtWool 8	0.03%	
<b>Thermal Resistance:</b>		
ASTM C 518 (C 177)	R-value/inch @ 75°F	RSI value/25.4 mm @ 24°C
ArtWool8	4.3 hr.ft².F/Btu***	0.76 m²K/W
<b>Density:</b>		
	ASTM C 612-93 – Nominal	ASTM C 553 – Actual
ArtWool 8	8.0 lbs/ft³ 128 kg/m³	5.8 lbs/ft³ 93 kg/m³
<b>Corrosive Resistance:</b>		
ASTM C 665	Corrosiveness to Steel	Pass
ASTM C 795 ****	Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)	Conforms
<b>Dimensions:</b>		
24" (width) x 48" (length) [610 mm (width) x 1219 mm (length)]		
<b>Thicknesses:</b>		

1", 2", and 4" in 1" increments