

Cerablanket AC2



Product Description

Thermal Ceramics Cerablanket AC2 insulating blanket provides enhanced performance over the acoustical properties of Cerablanket AC1. Cerablanket AC2 has been engineered to combine the benefits of improved acoustical performance with high mechanical strength. This combination enables Cerablanket AC2 to perform in the most demanding applications.

Features

- Excellent sound absorption
- Thermal stability
- Low heat storage
- Superior handling strength
- Flexible and resilient
- Immune to thermal shock
- Highly resistant to vibration
- Excellent thermal insulating performance

Type

Ceramic fibre.

Classification Temperature

1315°C

Datasheet Code 5-5-11 E MSDS Code 104-9-EURO REACH

Maximum Use Temperature

1177°C

This temperature is reported only as a guide. Actual use limit depends on application, construction, fibre thermal stability and anchoring systems etc

Applications

- HRSG Silencers
- Mufflers
- Sound Walls

www.morganthermalceramics.com

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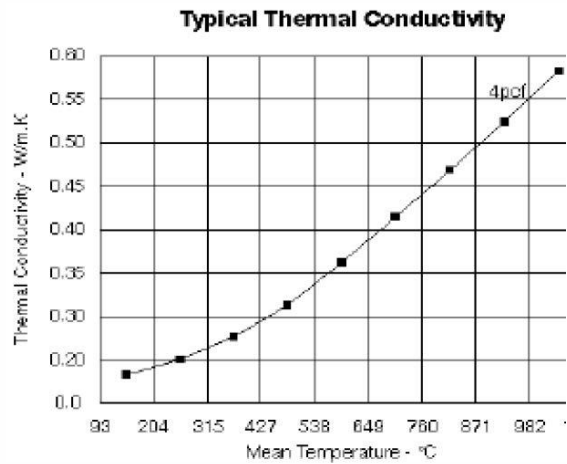
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MAIN PROPERTIES	
Maximum use temperature (°C)	1177
PROPERTIES MEASURED AT AMBIENT CONDITIONS	
Density (nominal pcf) (kg/m ³)	48 64
Tensile strength (kg/cm ²)	0.42
ACOUSTIC PERFORMANCE	
Airflow resistivity per ASTM C522 (Rayls/m)	10000 to 15000

THERMAL CONDUCTIVITY (ASTM C-201)		
W/mK		
@ mean temp	200°C	0.08
	300°C	0.125
	400°C	0.193
	500°C	0.285
	600°C	0.40

CHEMICAL COMPOSITION	
Alumina, Al ₂ O ₃ %	45-47
Silica, SiO ₂ %	53-55
Other %	0-1
Leachable chlorides	<10



Availability and Packaging

Cerablanket Acoustical is packed in cartons. Thickness 25mm, 38mm or 50mm. Width 610mm or 1220mm. Length 7.6m and 4.6m.

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information or a Compliance Data Sheet where guaranteed property specifications are required.

Before using these materials, it is strongly recommended that the installer consults Thermal Ceramics manual "storage and installation manual" copies of which are obtainable from Thermal Ceramics offices or distributors.

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