**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

**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

**Type**
Ceramic fibre.

**Classification Temperature**
1315°C

Datasheet Code 5-5-11 E MSDS Code 104-9-EURO REACH
Cerabrandet AC2

### MAIN PROPERTIES
- **Maximum use temperature (°C)**: 1177

### PROPERTIES MEASURED AT AMBIENT CONDITIONS
- **Density (nominal pcf) (kg/m³)**: 48 64
- **Tensile strength (kg/cm²)**: 0.42

### ACOUSTIC PERFORMANCE
- **Airflow resistivity per ASTM C522 (Rayls/m)**: 10000 to 15000

### THERMAL CONDUCTIVITY (ASTM C-201)

<table>
<thead>
<tr>
<th>Temperature</th>
<th>W/mK</th>
</tr>
</thead>
<tbody>
<tr>
<td>200°C</td>
<td>0.08</td>
</tr>
<tr>
<td>300°C</td>
<td>0.125</td>
</tr>
<tr>
<td>400°C</td>
<td>0.193</td>
</tr>
<tr>
<td>500°C</td>
<td>0.285</td>
</tr>
<tr>
<td>600°C</td>
<td>0.40</td>
</tr>
</tbody>
</table>

### CHEMICAL COMPOSITION
- **Alumina, Al₂O₃ %**: 45-47
- **Silica, SiO₂ %**: 53-55
- **Other %**: 0-1
- **Leachable chlorides**: <10

### Availability and Packaging
Cerabrandet 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.