

FIBERMAX 1600 BLANKET – 72

Fibermax 1600 blankets - 72 are high temperature, lightweight, needled blankets manufactured from polycrystalline mullite fibre that can be exposed to temperatures up to 1600°C.

Fibermax 1600 blankets – 72 are completely inorganic and so retain their strength, flexibility and thermal properties in many working environments, without the generation of smoke or fumes.

Available in a range of density and thickness combinations, **Fibermax 1600 blankets - 72** can be used in a wide variety of applications. They are especially suited to environments where the presence of 'shot' (unfiberised particles) is undesirable or where resistance to corrosive agents is essential.



General characteristics

Fibermax 1600 blankets – 72 have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity and heat storage
- High tensile strength & resiliency
- Resistance to thermal shock & chemical attack
- Excellent flexibility

Typical applications

Metallurgy

- High temperature heat treatment furnaces

Ceramic

- Porcelain kilns

Speciality Applications

- Incineration

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval

Typical product parameters

| Typical Chemical Analysis (wt.%) | 100 kg/m ³ | 130 kg/m ³ |
|---|-----------------------|-----------------------|
| Al ₂ O ₃ | ≥72.0 | |
| Al ₂ O ₃ + SiO ₂ | ≥99.0 | |
| Physical properties | | |
| Colour | White | |
| Classification temperature (°C) | 1600 | |
| Fibre diameter (microns) | 4.0 – 6.0 | |
| Permanent Linear Shrinkage (%) 24 hour soak | | |
| 1500°C | 0.7 | |

Insulcon B.V. - The Netherlands - Tel: +31 (0) 167 565750
Insulcon GmbH - Germany - Tel: +49 (0) 2131 408548-0
Insulcon N.V. - Belgium - Tel: +32 (0) 3 711 02 78
Insulcon Projects S.A. - Switzerland - Tel: +41 (0) 91911739-0

INSULCON

LEADER IN HIGH TEMPERATURE SOLUTIONS
www.insulcon.com

Form: A1-247
Effective: 03012022/ES/ka
Supersedes:16052019/CD/ka
All rights Reserved
LD:U0912

FIBERMAX 1600 BLANKET – 72

| Thermal conductivity (W/mK) | 100 kg/m ³ | 130 kg/m ³ |
|-----------------------------|-----------------------|-----------------------|
| Thermal conductivity | | |
| 800°C | 0,20 W/mK | 0,18 W/mK |
| 1000°C | 0,29 W/mK | 0,25 W/mK |
| 1200°C | 0,42 W/mK | 0,36 W/mK |

*Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Insulcon office. Where appropriate Physical Properties data measured according to EN 1094-1.

Availability

| Thickness (mm) | Density | | Roll length (m) |
|----------------|-----------------------|-----------------------|-----------------|
| | 100 kg/m ³ | 130 kg/m ³ | |
| 13* | ✓ | ✓ | 7.20 |
| 25 | ✓ | ✓ | 7.20 |

Standard roll width is 610mm.

Other thicknesses / sizes may be available on request subject to minimum order requirements.

* 2 rolls per carton.

Handling information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Insulcon B.V.- The Netherlands - Tel: +31 (0) 167 565750
Insulcon GmbH - Germany - Tel: +49 (0) 2131 408548-0
Insulcon N.V. - Belgium - Tel: +32 (0) 3 711 02 78
Insulcon Projects S.A. - Switzerland - Tel: +41 (0) 91911739-0

INSULCON
 LEADER IN HIGH TEMPERATURE SOLUTIONS
www.insulcon.com

Form: A1-247
 Effective: 03012022/ES/ka
 Supersedes:16052019/CD/ka
 All rights Reserved
 LD:U0912