

## TECHNICAL DATA SHEET

## BIOWOOL ALU BLANKET

Biowool ALU foil-coated blankets are lightweight, needled blankets made from silicate wool: alkaline earth. The blanket features a 30 micron aluminium foil bonded with a non-flammable, inorganic adhesive to its surface. The foil coatings are attached directly to the surface of the Biowool ALU Blanket. The products are available in various density and thickness combinations. It is particularly suitable for fire protection and as a vapour barrier in furnace linings.



## General product features

- Superior insulation properties
- Resistance to thermal shock
- Superior handling strength
- Lightweight
- Excellent flexibility
- Good acoustic properties
- High temperature stability (up to 1200°C)

Chemical composition (%)			
SiO <sub>2</sub>		61 - 67	
CaO		27 - 33	
MgO		2,5 - 6,5	
Al <sub>2</sub> O <sub>3</sub>		< 1,0	
Fe <sub>2</sub> O <sub>3</sub>		< 0,6	
Colour		White	
Classification temperature (°C)			
		1200	
Temperatura of use (°C)			
		1100	
Melting temperature (°C)			
		>1330	
Average fibre diameter (microns)			
		4,0	
Persistent linear shrinkage (%) 24 hours soaking at 1200 °C			
		1,0	
Density (kg / m <sup>3</sup> )			
	64	96	128
Thermal conductivity (W / mK): ASTM C201			
Mean temperature			
200 °C	0,06	0,06	0,05
400 °C	0,11	0,09	0,08
600 °C	0,17	0,14	0,12
800 °C	0,26	0,2	0,18
1000 °C	0,38	0,29	0,25

## Common applications

- Passive fire protection systems
- Vapour barrier in furnace linings
- Chimney and duct insulation
- External pipe insulation

*\* This data sheet is confidential. Transmitting, copying and disclosing it to third parties requires the written consent of PRO-HURT. The present data sheet is directed at the addressee(s) referred to above and is the property of the addressee. Disclosure of the card is prohibited. If you are not the intended addressee, you must delete this document immediately and notify the sender by phone or email.*