

ALSIFLEX®-1260 (blankets)



High temperature wool blankets

ALSIFLEX®-1260 is a high-temperature wool based on aluminium silicate.

The blankets are needled from both sides and produced in different thicknesses and bulk densities.

Type		1260/65	1260/100	1260/130	1260/160				
Colour					1200/100				
coloui		white							
Bulk density	kg/m³	65	100	130	160				
Classification temperature	°C	1250							
Shrinkage									
1250 °C - 24h	%	3.3							
Melting point	°C	1760							
Specific heat capacity	kJ/kg K	1.14							
Thermal conductivity									
400 °C	W/m K	0.12	0.11	0.09	0.09				
600 °C	W/m K	0.18	0.14	0.12	0.11				
800 °C	W/m K	0.27	0.22	0.18	0.16				
1000 °C	W/m K	0.42	0.36	0.28	0.21				
Chemical analysis									
Al ₂ O ₃	%	42-47							
SiO ₂	%	53-58							
$TiO_2 + Fe_2O_3$	%	< 0.20							
alkaline	%	< 0.25							
Mean fibre diameter	μm	3							

Delivery sizes (Production tolerances)											
Thickness	mm	6.4 (+2)	12.7 (+3)	19.1 (+4)	25.4 (+5)	38.1 (+5)	50.8 (+7.5)				
Length	mm	5000 (+ 150)	14640 (+ 150)	9700 (+ 150)	7320 (+ 150)	4880 (+ 150)	3660 (+ 150)				
Width*	mm	610 (+3)									
* Roll width 1220 mm on request											



ALSIFLEX®-1260 (blankets)

Properties & advantages

- lightweight and flexible
- low thermal conductivity and heat storage
- high thermal and chemical resistance
- high thermal shock resistance
- easy to work
- electrically non-conductive
- numerous delivery forms
- prefabricated building components and cut sections

Application areas

HEAVY INDUSTRY

ALSIFLEX[®] blankets are used for the termal insulation of high-temperature plants in numerous industries. Examples:

- fibre linings in industrial furnaces in layered construction or module systems, such as bogie hearth furnaces, bell furnaces, forging furnaces, tunnel kilns, regenerative thermal oxidizer and regenerative afterburning plants
- expansion joint material
- thermal insulation of welded seams
- arch insulation of tunnel kilns and glass melting tanks

Due to the low bulk densities and the almost unlimited thermal shock resistance, ALSIFLEX[®] is used especially in plants that are only operated periodically.

Working & processing

ALSIFLEX[®] can be easily cut and processed with conventional tools. Suitable items are knives with a serrated edge, band saws and punching machines.

When working and processing high temperature wool products, the Technical Regulations for Hazardous Materials (TRGS 558) must be observed.

Dust is produced during procession. Dust can be harmful to the health. Avoid contact with eyes and skin. Do not breathe in the dust. Dust should be removed by suction. The dust limits are to be adhered to. See product safety information sheet.

For layered construction ALSIFLEX® blankets are attached to the metal walls with heat and scale-resistant metal pins and clips.

The Promat® systems ALSIPACK®, ALSIBLOCK®, ALSITHERM®, PROMACOMB® and PROMAWALL® are produced from ALSIFLEX®.

For gluing ALSIFLEX® blankets together we recommend ALSIBLOCK®-D bonding agent.

Thermal conductivity



All data contained in this publication are provided in good faith and are correct at the time of printing. Data are representative of production and are subject to normal production fluctuations, they should not be deemed to constitute or imply any warranty of performance, the user is held responsible for determining the suitability of the products for the given application. Errors and omissions excepted. All drawings and representations remain our exclusive property and cannot be used, totally or in part, without our prior written approval. Excerpts, reproductions, copies, etc. of our publications require our prior approval. This publication renders all previous ones invalid. Our terms of delivery and payment apply in the event of any claim. Promat and Microtherm are registered trademarks. © Copyright Etex NV, Brussels, Belgium. All rights reserved. **2017-09**

