

ALSIFLEX® boards and paper

ALSIFLEX® is a refractory ceramic fibre based on aluminium and silicium oxide. ALSIFLEX® boards and paper are lightweight, flexible insulating materials based on ceramic fibres, with high permanent temperature resistance, low thermal conductivity and partly high chemical resistance.



ALSIFLEX® 1260°C and 1400 °C boards are light, rigid boards based on aluminium silicate fibres mixed with organic and inorganic binders. ALSIFLEX® 1260°C paper are thin ceramic papers on rolls, based on aluminium silicate fibres.

ALSIFLEX® paper

- Lightweight thin paper
- Low thermal conductivity
- Insensitive to thermal shocks
- Excellent machinability

ADVANTAGES AND PROPERTIES

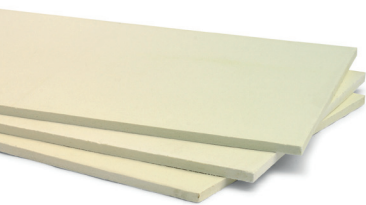
ALSIFLEX® boards

- Excellent homogeneity and hardness over the whole wall thickness
- High mechanical strength
- Good dimensional stability after thermal application
- Low thermal conductivity
- Insensitive to thermal shocks
- Excellent machinability



AREAS OF APPLICATION

- Back-up and front insulation of refractory linings
- Heat shields and sound insulation
- Expansion joints
- Furnaces insulation
- Household appliances



TECHNICAL DATA

Product name	ALSIFLEX® boards		ALSIFLEX® paper	
	Type	1260	1400	1260
Colour	white	white	white	
Classification temperature	1260	1400	1260	°C
Bulk density ρ	300	300	180-240	kg/m ³
Shrinkage after 24u at testing temperature	≤3	≤3	3,5	%
Thermal conductivity λ (at bulk density 128 kg/m ³)			1260	°C
	400 °C	0,085	0,085	0,08 W/mK
	600 °C	0,120	0,120	0,11 W/mK
	800 °C	0,140	0,140	0,17 W/mK
	1000 °C	0,160	0,160	0,17 W/mK
Compression strength	0,20 N/mm ²		0,20 N/mm ²	

STANDARD SIZES

RCF have been classified as a category 2 carcinogen under EU directive 67/548/EC. Therefore avoid exposure and obtain special instructions before use. MSDS-sheets are available on request.

Promat contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. In case of any doubt if these properties and/or values are matching the application requirements, please contact Promat for advise.

Description	Length	Breadth	Thickness	Quantity/pallet
ALSIFLEX BOARD 1260°C	1200	1000	10	180
ALSIFLEX BOARD 1260°C	1200	1000	12	152
ALSIFLEX BOARD 1260°C	1200	1000	15	120
ALSIFLEX BOARD 1260°C	1200	1000	20	90
ALSIFLEX BOARD 1260°C	1200	1000	25	72
ALSIFLEX BOARD 1260°C	1200	1000	30	60
ALSIFLEX BOARD 1260°C	1200	1000	35	54
ALSIFLEX BOARD 1260°C	1200	1000	38	48
ALSIFLEX BOARD 1260°C	1200	1000	40	46
ALSIFLEX BOARD 1260°C	1200	1000	50	36
ALSIFLEX BOARD 1400°C	1200	1000	10	180
ALSIFLEX BOARD 1400°C	1200	1000	12	152
ALSIFLEX BOARD 1400°C	1200	1000	15	120
ALSIFLEX BOARD 1400°C	1200	1000	20	90
ALSIFLEX BOARD 1400°C	1200	1000	25	72
ALSIFLEX BOARD 1400°C	1200	1000	30	60
ALSIFLEX BOARD 1400°C	1200	1000	35	54
ALSIFLEX BOARD 1400°C	1200	1000	38	48
ALSIFLEX BOARD 1400°C	1200	1000	40	46
ALSIFLEX BOARD 1400°C	1200	1000	50	36

	Rolls/ pallet
ALSIFLEX® paper 1260°C	
610 x 50.000 x 0,5 mm	30
610 x 40.000 x 1 mm	30
610 x 30.000 x 2 mm	30
610 x 20.000 x 3 mm	30
610 x 15.000 x 4 mm	30
610 x 10.000 x 5 mm	30