

FLESIBREX® Refractory paper

FLESIBREX® refractory paper is made from ceramic aluminosilicate fibres, bonded with an organic bonding agent, and is used as a thermal insulant for temperatures up to 1100 °C.

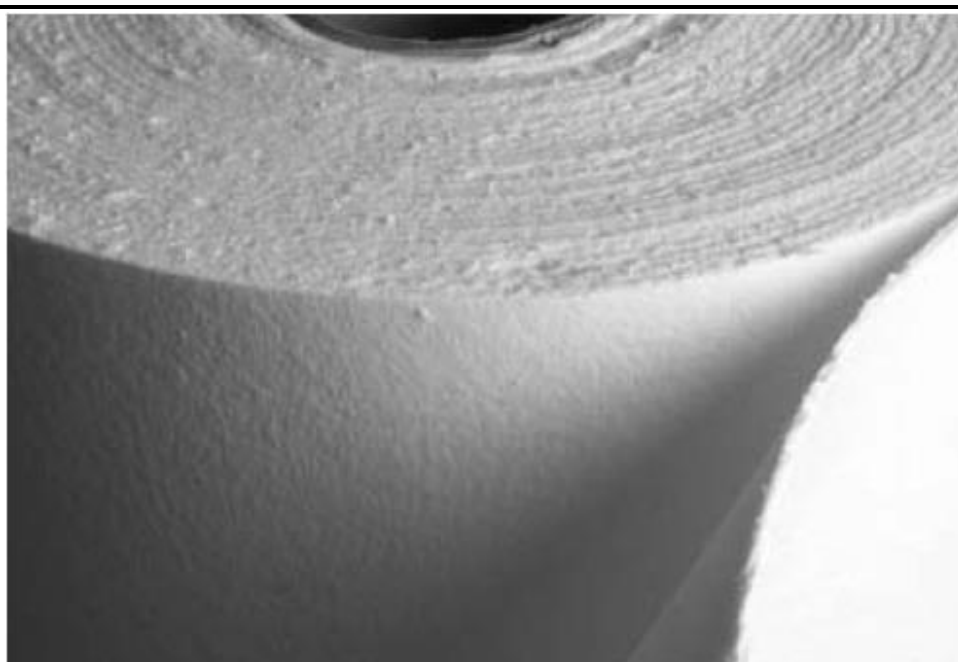
The paper is highly flexible yet adequately tough, and can be wound around various pipes and curved areas. The paper is also used as a low-thickness thermal insulation material in the energy sector, machinery (boiler manufacturing), metallurgy and the foundry industry (mould and filter insulation), as well as electrical engineering.

It is used as heat protection in welding and soldering, expansion joint seals in refractory masonry, structures and high-temperature plants, refractory linings for furnaces, laboratory furnaces and home electrical appliances. It is also supplied as cutouts or shortened to accurate dimensions and shapes based on customer specifications.


The paper can be cemented onto existing ceramic furnace lining using the VSK 1200 refractory cement or stove fitter's cement.

FLESIBREX® refractory paper is manufactured using the paper mill process from water slurry, and is supplied in the below dimensions and thicknesses by default.

Property	Unit	FLESIBREX®					
Bulk density	± 50 kg/m ³	210					
Width	± 2 mm	500					
Thickness	± 0.45 mm	2	3	4	5	6	8
Length (based on thickness)	linear m	50	34	26	21	17	13
Humidity (max.)	%	3					
Loss by annealing (max.)	%	7					
Coefficient of thermal conductivity	W.m ⁻¹ .K ⁻¹	400°C	600°C	1000°C			
			0.11	0.15	0.31		
Tensile strength (min.)	kPa	100					
Shrinkage after heat exposition (at 1150°C /24 hrs)	%	4					
Flammability level		A: non-flammable					
Maximum application temperature	°C	1100					



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Certifikace:
ISO 9001 
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