

FYREWRAP

flexible high temperature insulation blanket

Fyrewrap Foil Faced Marine Blanket products, SF", SFR" and SG" are based on our high solubility vitreous wool blankets, which are then reprocessed at our specialist manufacturing facilities.

Aluminium foil and glass cloth are attached in a process designed to apply less pressure to the blanket surface during application of the adhesive coating and foil/cloth.

The resulting products are suited to use in fire protection applications, as a vapour barrier in some furnaces and kilns, as a chimney liner in fireplace kits and as a light duty heat curtain.

SPECIFICATIONS

Colour	white
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AVAILABILITY

Size			Density kg/m ³
Length (mm)	Width (mm)	Thickness (mm)	
14640	610/1220	13	96/128
7320		25	64/96/128
5000		38	64/96/128
3660		50	64/96/128

Standard roll width: 610 mm

- Other thickness of foil, stainless steel foil and other roll sizes, thicknesses and densities are also available to special order .
- FYREWRAP SF, SFR & SG Blankets are available with the covering on both top and bottom surfaces of the blanket and are designed SF2, SFR2 & SG2
- For foil covering on other products (e .g . papers, boards) please contact us for further information



applications

- Some furnaces and kilns (a type of oven)
- Chimney liner in fireplace kits
- As a light duty heat curtain

features

- Excellent insulation
- Good handle ability
- Re-usable
- Fast thermal reaction times
- Excellent thermal and physical stability

MATERIAL PROPERTIES

Classification Temp.	1200°C
Melting Point	>1330°C
Density (kg/m ³)	64 - 96 - 128
Typical Chemical Analysis (figure wt.%)	
SiO ₂	61.0 - 67.0
CaO	27.0 - 33.0
MgO	2.5 - 6.5
Al ₂ O ₃	< 1.0
Fe ₂ O ₃	< 0.6
Inorganic adhesive	< 1.0

THERMAL CONDUCTIVITY DATA (W/MK)

Mean Temperature	64 kg/m ³	96 kg/m ³	128 kg/m ³
200°C	0.07	0.06	0.05
400°C	0.10	0.09	0.08
600°C	0.18	0.14	0.12
800°C	0.27	0.22	0.18

Permanent Linear Shrinkage - 24 hour soak 1200°C < 4.0%

Linear Shrinkage measured on base blanket product. Where appropriate, Physical properties and Thermal Conductivity Data measured according to ENV 1094-7:1994

APPLICATION EQUIPMENT

FYREWRAP SF Blanket

FYREWRAP Blanket with a 30 micron aluminium foil bonded to one surface with a non-smoking and non-combustible inorganic adhesive.

FYREWRAP SFR Blanket

As for FYREWRAP SF Blanket but with a square grid glass fibre reinforcing mesh added between the foil blanket. This product should be used when extra resistance to tearing is needed. SFR Blanket in non-combustible.

FYREWRAP SG Blanket

FYREWRAP SG Blanket has a 230 gsm glass fibre cloth bonded to one surface with a non-smoking inorganic adhesive. SG Blanket is non-combustible and is ideal for use where extra surface durability is required or if a decorative coating is to be applied.

