

FYREWAP BLANKET

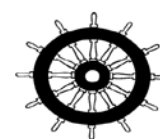
Description

FyreWrap Blanket is a totally inorganic, flexible and lightweight high temperature insulation blanket specifically designed for passive fire protection applications and for use in FyreWrap systems.

FyreWrap Blanket provides fire protection insulation for a wide range of rated assemblies and systems including systems designed to resist cellulosic, hydrocarbon and jet fires. Thin, lightweight systems, combined with a flexible and easy to install form result in lower installation costs and significant weight savings.



FyreWrap Blanket is available with and without a water repellent treatment and both grades are available with a variety of foil facings.



BV 2690

Fire protection properties

- Non Combustible to IMO A 799 (19)
- Classified A1 to EN 13501-1

Typical applications

FyreWrap Blanket is suitable for use in a wide variety passive fire protection applications including:

- Marine deck and bulkhead insulation in all types of craft
- Hydrocarbon and jet fire protection of vessels and pipes
- Bulkhead & deck insulation for offshore oil platforms & FPSO's
- Cable tray fire protection
- Ductwork fire protection
- Protection of structural steelwork
- Infill of fire doors and lightweight cladding panels

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval

Acoustic Insulation Performance

Frequency Hz	Sound Absorption Coefficient		
	25 mm x 96 kg/m ³	38 mm x 96 kg/m ³	50 mm x 96 kg/m ³
125	0	0.14	0.31
250	0.18	0.56	1.08
500	0.61	1.05	1.17
1000	0.90	1.16	1.13
2000	1.04	1.09	1.08
4000	1.09	1.06	1.03
5000	1.12	1.08	0.95
Noise Reduction Coefficient	0.68	0.96	1.12

Insulcon B.V.- The Netherlands - Tel: +31 (0) 167 565750
Insulcon GmbH - Germany - Tel: +49 (0) 2131 408548-0
Insulcon N.V. - Belgium - Tel: +32 (0) 3 711 02 78
Insulcon Projects S.A. - Switzerland - Tel: +41 (0) 91911739-0

INSULCON

LEADER IN HIGH TEMPERATURE SOLUTIONS
www.insulcon.com

Form:A1-237
Effective 03012022/ES/ka
supersedes:14062011/GT/ka
All rights Reserved
LD: U170705

FYREWAP BLANKET

Thermal Characteristics		
Ambient insulation performance		
Blanket Thickness (mm)	R Value	U Value
25	0.73	1.37
38	1.11	0.90
50	1.46	0.68
55	1.61	0.62
63	1.84	0.54

Based on thermal conductivity of FyreWrap Blanket 96 kg/m³ density measured to BS EN 12667 at 10°C of 0.0342 W/mK. For blanket densities above 96kg/m³ the same values may be used.

Availability

Density kg/m ³	Thickness mm			
	13	25	38	50
96	√	√	√	√
128	√	√	√	√
144		√		√
Roll length m	14.64	7.32	5.00	3.66

Standard roll widths 610 mm & 1220 mm

Other sizes may be available on request subject to minimum order requirements.

Thermal Conductivity (W/mK)

Mean Temp. (°C)	96 kg/m ³	128 kg/m ³
200	0.07	0.06
400	0.11	0.10
600	0.17	0.16
800	0.26	0.23
1000	0.36	0.31

Thermal Conductivity measured in accordance with ASTM C-201.

Unfaced Blanket

FyreWrap Blanket is available as standard with no additional treatment. It is also available as WR grade in which the fibres are lightly coated with a water repellent silicone treatment.

Foil Faced Blanket

FyreWrap blanket in both standard and WR grades is available with a choice of foil facing;

- FyreWrap SF™ Blanket. FyreWrap Blanket with a 30 µm on a face.
- FyreWrap SFR™ Blanket with 30µm foil & glass fibre mesh reinforcement on one face.
- FyreWrap SG Blanket with glass fibre cloth bonded to one face

FyreWrap SF,SFR & SG blankets are available with the covering on both top and bottom surfaces of the blanket and are designated SF2, SFR2, and SG2 respectively.

FYREWRAF BLANKET

Acoustic Insulation Performance

Sound Absorption Coefficient

Frequency (Hz)	25mm x 96kg/m ³	38 mm x 96 kg/m ³	50mm x 96kg/m ³
125	0	0.14	0.31
250	0.18	0.56	1.08
500	0.61	1.05	1.17
1000	0.90	1.16	1.13
2000	1.04	1.06	1.08
4000	1.09	1.06	1.03
5000	1.12	1.08	0.95
NRC	0.68	0.96	1.12

Test method BS EN ISO 354:2003. Foil facing will reduce the sound absorption characteristics.

Handling information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.