



FyreWrap
Fire protection materials

*When Fire Protection Matters Most
Contact your local distributor.*

Unifrax Ltd.

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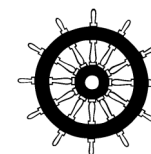
www.unifrax.com

DESCRIPTION

FyreWrap Blanket from Unifrax 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.

FIRE PROTECTION PROPERTIES

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



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TYPICAL APPLICATIONS

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

- Marine deck and bulkhead insulation in all types of craft
- Hydrocarbon and jet fire protection of vessels and pipes
- A & H class steel 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.

UNIFRAX

PRODUCT GRADES

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 micron aluminium foil bonded to one surface with a non-smoking, non-combustible adhesive.

FyreWrap SFR™ Blanket. As for FyreWrap SF Blanket but with a square grid glass fibre mesh added to give added reinforcement. This product should be used when extra resistance to tearing is needed. SFR Blanket is non-combustible.

FyreWrap SG™ Blanket. FyreWrap SG Blanket has a glass fibre cloth bonded to one surface. SG Blanket is non-combustible and is ideal for use where extra durability is required.

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.

TYPICAL PRODUCT PARAMETRES

Physical Properties

Colour	White
Linear Shrinkage (24 hour soak at 1200°C)	< 1.0%
Melting Point	> 1330°C
Loss on Ignition (LOI) - standard grade	< 0.1%
Product Density (nominal)	96, 128 & 144 kg/m ³
Water repellent coating (WR Grade)	< 1.0 wt. %
Water absorption (WR Grade) (per BS 2972 Section 12)	< 5.0%

Acoustic Insulation Performance

Sound Absorption Coefficient

Frequency Hz	25mm x 96kg/m ³	38mm x 96kg/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	1.09	1.08
4000	1.09	1.06	1.03
5000	1.12	1.08	0.95
NRC	0.68	0.96	1.12

AVAILABILITY

	Density kg/m ³	Thickness mm				
		13	25	38	50	63
96		SWR	SWR	SWR		
128	S	SWR	SWR	SWR		S
144		SWR		SWR		
Roll (m)	14.64	7.32	5.00	3.66		3.5

S = Standard Grade WR = Water Repellent Grade

FOIL FACED BLANKET AVAILABILITY

	Density kg/m ³	Thickness mm				
		13	25	38	50	63
96	✓	✓	✓	✓		
128	✓	✓	✓	✓		
144		✓		✓		
Roll (m)						

Standard roll widths 610mm & 1220mm

Supplied by: