



**FyreWrap**  
Fire protection materials

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

**Unifrax Ltd.**

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## DESCRIPTION

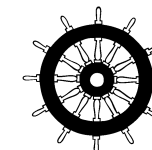
FyreWrap® LT Blanket from Unifrax is a new lightweight, & flexible high temperature insulation blanket manufactured from Insulfrax low bio-persistence fibres & is specifically designed for passive fire protection applications.

With its enhanced fibre properties, FyreWrap LT Blanket offers significant weight savings when compared with both traditional AES wool blankets and more particularly mineral wool based products. The modified fibre characteristics also give FyreWrap LT Blankets improved handling characteristics.

Thin, lightweight systems, combined with a flexible and easy to install form result in lower installation costs and significant weight savings. The fibres are totally inorganic and FyreWrap LT Blanket contains no binder no smoke or fumes are generated when exposed heat.

## FIRE PROTECTION PROPERTIES

- Non Combustible to IMO FTP Code Part 1
- Classified A1 to EN 13501-1



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## TYPICAL APPLICATIONS

Unifrax FyreWrap LT 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
- Bulkhead & deck insulation for offshore oil platforms & FPSO's
- Cable tray fire protection
- Ductwork fire protection
- 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**

## TYPICAL PRODUCT PARAMETERS

Thermal Characteristics		
Ambient Insulation Performance		
Blanket Thickness (mm)	R Value	U Value
25	0.78	1.28
40	1.25	0.80
45	1.41	0.71
50	1.56	0.64
55	1.72	0.58

Based on thermal conductivity of FyreWrap LT Blanket 64 kg/m<sup>3</sup> density measured to BS EN 12667 at 10°C of 0.0320 W/mK. For blanket densities above 64kg/m<sup>3</sup> the same values may be used.

Thermal Conductivity (W/mK)			
Mean Temp. (°C)	64kg/m <sup>3</sup>	96kg/m <sup>3</sup>	128kg/m <sup>3</sup>
200	0.06	0.06	0.05
400	0.11	0.09	0.08
600	0.17	0.14	0.12
800	0.26	0.20	0.18
1000	0.38	0.29	0.25

Thermal Conductivity measured in accordance with ASTM C-201.

Acoustic Characteristics		
Sound Absorption		
Frequency (Hz)	50mm x 70kg/m <sup>3</sup>	50mm x 96kg/m <sup>3</sup>
125	0.47	0.26
250	1.0	0.94
500	1.0	1.0
1000	1.0	1.0
2000	1.0	1.0
4000	1.0	1.0
5000	1.0	1.0
<b>NRC</b>	<b>1.0</b>	<b>1.0</b>

Test method BS EN ISO 354:2003.

Foil facing will reduce the sound absorption characteristics.

Blanket Facings
FyreWrap LT Blanket can be supplied faced with aluminium foil. The following grades are available :
<b>FyreWrap LTF Blanket</b> with 30µm foil on one face.
<b>FyreWrap LTF2 Blanket</b> with 30µm foil on two faces.
<b>FyreWrap LTFR Blanket</b> with 30µm foil & glass fibre mesh reinforcement on one face.
<b>FyreWrap LTFR2 Blanket</b> with 30µm foil & glass fibre mesh reinforcement on two faces.

## AVAILABILITY

Standard Roll Sizes		
Thickness (mm)	Roll Length (m)	Density (kg/m <sup>3</sup> )
25	7.32	64,96,128
35	5.0	70
38	5.0	96, 128
40	5.0	70
45	5.0	64
50	3.66	70, 96,128
55	3.66	64

Non-standard combinations may be available upon request subject to minimum quantity orders.

## 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.

Supplied by:

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