

## FYREWAP® LT BLANKET

### Description

**FyreWrap® LT Blanket** is a new lightweight, & flexible high temperature insulation blanket manufactured from Insulfrax low biopersistence fibres and 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

### Typical applications

**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

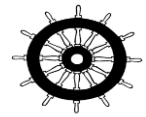
Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

### TYPICAL PRODUCT PARAMETERS

Ambient Insulation Performance

Blanket Thickness	R Value	U Value
25 mm	0.78	1.28
40 mm	1.25	0.80
45 mm	1.41	0.71
50 mm	1.56	0.64
55 mm	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.



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For blanket densities above 64 kg/m<sup>3</sup> the same values may be used.

### Acoustic Insulation Performance

#### Sound Absorption Coefficient

Frequency Hz	50 mm x 70 kg/m <sup>3</sup>	50 mm x 96 kg/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>Noise Reduction Coefficient</b>	<b>1.0</b>	<b>1.0</b>

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

### 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.

### 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
<b>FyreWrap® LTG Blanket</b>	with glass fibre cloth on one face
<b>FyreWrap® LTFE Blanket</b>	is fully encapsulated in 200µm reinforced aluminium composite scrim

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### Availability

#### **Standard Roll Sizes**

<b>Thickness (mm)</b>	<b>Roll length (m)</b>	<b>Standard Densities kg/m<sup>3</sup></b>
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)*

### 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 se.