

# DATASHEET

## Description

A medium weight fibreglass fabric laminated to an 18 micron aluminium foil. This product is specifically designed for applications in harsh and severe environments, the laminate is high temperature and fire resistant and reflective on one face.

**Applications:** Removable insulation pads, flange and valve covers, mattresses, automotive bellows and heat shields, equipment covers and protective safety clothing.

### Technical Data

<u>Parameter</u>			<u>Tolerance</u>	<u>Test Methods</u>
<b><u>Base fabric</u></b>				
<b>Yarn</b>	Warp	EC9 136		DIN EN 12654
	Weft	EC9 136		
<b>Thread Count</b>	Warp	19.0 per 1 cm	± 0.5	DIN EN 1049
	Weft	11.0 per 1 cm	± 0.5	DIN EN 1049
<b>Weave</b>		3/1 Broken Twill		DIN ISO 9354
<b>Tensile Strength (typical)</b>				DIN ISO 4606
	Warp	1000 N/cm		
	Weft	500 N/cm		
<b>Weight</b>		420 g/m <sup>2</sup>	± 5%	DIN EN 12127
<b><u>Laminate</u></b>				
<b>Composition</b>	Woven E-glass fabric / HT adhesive / 18 micron aluminium foil			
<b>Weight</b>		475 g/m <sup>2</sup>	± 5%	DIN EN 12127
<b>Thickness (typical)</b>		0.44 mm	± 10%	DIN ISO 4603/E
<b>LOI (typical)</b>		4.5%		
<b>Temperature Resistance</b>	-36 to 180 ° C HT adhesive tolerates 260 ° C for short periods, glass fabric and aluminium foil maintain their integrity up to 600°C			

#### **Fire standards/approvals: IMO Modules B and D- valid until Nov 2014**

**Important** - Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. It should be noted that the substrate test materials are generic and actual results may vary from those given above. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All materials described herein are sold subject to our conditions of sale, a copy of which is available on request.