SORBERTEXTILE® AGC

high performance aluminium foil glass cloth and vapour barrier

Sorbertextile® AGC is a flame retardant foil glass cloth facing, bonded with F/R adhesive. It exhibits high tensile strength and good abrasion resistance, and complies to IMO and BS 476 Part 6 & 7 fire ratings. It is a good vapour barrier for acoustic insulation materials such as foams, polyester fibres and fibre glass. Due to its inherent low emissivity properties, it's an ideal choice as a radiant barrier.

STORAGE

Product should be stored at room temperature and kept away from wet and heat source.

applications

- Use where higher fire resistance required
- Marine applications
- Engine room, firewall linings
- Building applications
- Line air-conditioning units and systems

SPECIFICATIONS

Colour	silver
Standard (Rolls)	1.2 m x 250m, 1.4m x 250m

features

- Combine with any number of different absorbing foams
- Lightweight, heat reflective impermeable facing
- High fire protection
- Easy to work with
- Facing can be supplied with adhesive backing

PRODUCT SPECIFICATIONS

Facing composition	Description	Value		Roll length (lineal m)	Roll width (m)
		imperial	metric		
Foil	aluminium	0.28 mil	7 micron	250	1.2 and 1.4
Adhesive	F/R glue	0.4 mil	10 micron		
Glass cloth	12 x 10 mesh/cm	58.3 lbs/3000 ft2	95 gsm		

Tolerances: Weight and Thickness: +/-10%; Width:+/-3mm; Length: Log roll: +/-3m; Jumbo Roll: +/- 0.5%

MATERIAL PROPERTIES

Test method	Properties	Results	
		Imperial	Metric
Scale	Basis Weight	24.5 lbs / 1000ft^2	120 gsm
ASTM E96, Procedure A	Permeance (WVTR)	0.1 perm	5.75ng/N.s
ASTM D828	Tensile Strength - MD	59 lbs/In	225 N/25mm
ASTM D828	Tensile Strength - XD	34 lbs/In	150 N/25mm
ASTM D774	Burst Strength	145 psi	100 N/cm^2
ASTM D1790 4hrs @ -40°F (-40°C)	Low Temperature Resistance	Remains flexible No Delamination	Remains flexible No Delamination
ASTM D1790 4hrs @ +240°F (+116°C)	High Temperature Resistance	Remains flexible No delamination	Remains flexible No delamination
ASTM D1790	Melting point	Melts at 600°C	Melts at 600°C
ASTM D1204 @ 150°F (65°C)	Dimensional Stability	Less than 0.5%	Less than 0.5%
ASTM E408	Emissivity	0.03	0.03

		Index	Report No.	Results
IMO Annex 1 Part 5 and Part 2	Surface flammability of bulkhead, wall, ceiling, floor covering. Additionally, smoke generation and toxicity requirements of IMO FTP Code	CFE = Critical flux at extinguishment/Qsb = Heat of sustained burning/Qt = Total heat release /Qp = Peak heat release rate	Report No. 335275	>50.5 />30.3 /0.1 /0.4 Complies
EC Type Examination Certificate Module B (MED B)	Required by Marine Equipment Directive 96/98/EC	-	Certificate No. 164.112/1121/ WCL MED0396TE)	Complies
BS 476 Pt6 & 7	Fire propagation of products and Surface spread of flame	Class 0 – 3		Class O - Highest rating