

## 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.

#### SPECIFICATIONS

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



### applications

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

### 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 <sup>2</sup>	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 <sup>2</sup>	
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

For further information and contact details, please visit our website [pyroteknc.com](http://pyroteknc.com)

*Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See [pyroteknc.com/disclaimer](http://pyroteknc.com/disclaimer).*

