

# SORBERTEXTILE™ GC/PA

## fire-resistant glass cloth protective facing for acoustic materials

Sorbertextile GC/PA (glass cloth powder adhesive) is a fire-resistant, woven glass cloth facing, with a heat reactive adhesive. With a great aesthetic, it suits architectural applications and general enclosures where foams, polyester fibres and fibreglass acoustic insulation is used. The inherent properties of the product also make the product suited to areas where high-temperature and abrasion is experienced.

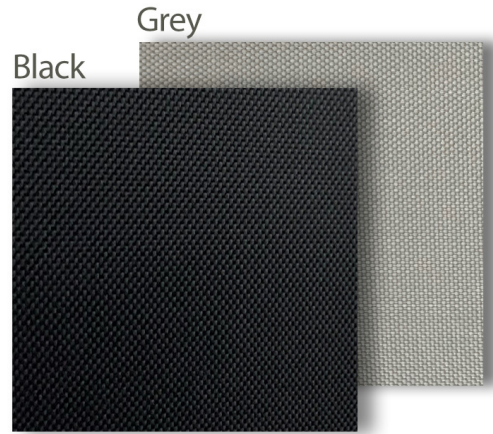
Sorbertextile GC/PA is supplied with a pre-applied fire-resistant adhesive backing, allowing for attachment on any perforated panel system. The product only requires to be preheated to 80°C with the use of gentle pressure to achieve a good bond.

Due to the inherent low emissivity properties, the product is an ideal choice as a durable, flame-resistant barrier. The product complies to AS 5637.1 / ISO 5660 fire rating while also protecting the acoustic material from mechanical damage and dirt ingress.

Sorbertextile GC/PA is a facing option available in two colours, for use with Pyrotek acoustic absorption materials.

### VOC, ODP, HEALTH AND SAFETY

Sorbertextile GC/PA is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet.



## applications

- Use for thermal lining of rigid HVAC ducting
- Building and architectural applications
- Line acoustic ceiling tiles and panels
- Incorporate into interior slatted, timber screens and panels
- Where fire-resistant facing is required for acoustic materials

## features

- Fire-resistant properties - complies to AS 5637.1 / ISO 5660
- Ideal for protecting acoustic materials from elements such as mechanical damage or dirt ingress
- Lightweight, heat-resistant and durable
- Combine with any number of different absorbing backings such as foams or polyesters
- Available with adhesive backing
- Easy to handle and use

### SPECIFICATIONS

Colour	Grey and black
Available	Standard roll width: 1.27 m Standard roll length: 250 m Standard weight: 220 g/m <sup>2</sup>
	120 g/m <sup>2</sup> available depending on MOQ Custom sizes, colours and/or thicknesses available depending on MOQ



## PRODUCT SPECIFICATIONS

Product	Description	Weight	Nominal thickness	Standard roll width	Standard roll length	Tear strength	Maximum service temperature	Maximum storage temperature
Sorbertextile GC/PA220	Glass Cloth	220 g/m <sup>2</sup>	0.18 mm	1.27 m	250 m	Warp: 760 N/25 mm (170 lbf/in) Weft: 615 N/25 mm (140 lbf/in)	80 °C (176 °F)	40 °C (104 °F)

Product is available with or without adhesive backing. Please consult your local Pyrotek representative for more information. Tolerance of: ± 5%. Available without adhesive backing (Sorbertextile GC). Sorbertextile GC/PA120 available (120 g/m<sup>2</sup>) depending on the minimum order quantity.

## MATERIAL PROPERTIES

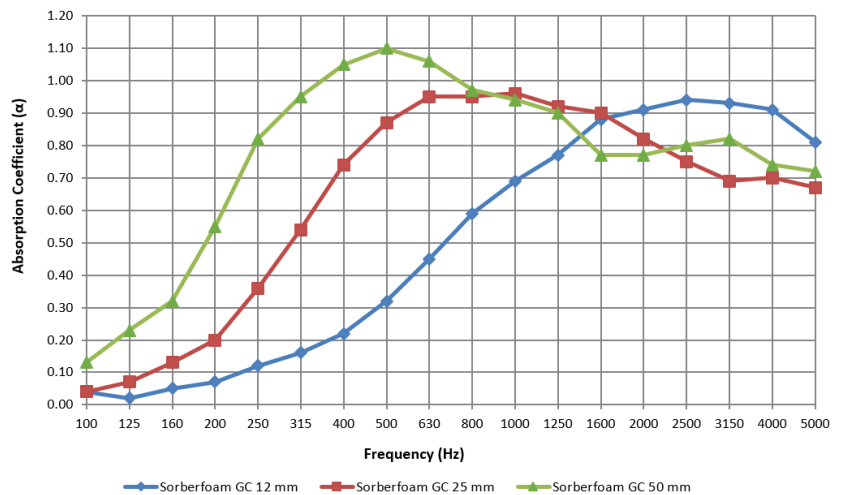
Test method	Property	Report no.	Results
AS 5637.1 (AS/NZ 3837, ISO 5660-1 & ISO 5660-2)	Fire hazard properties	FH11455-01-2 (Product ID: GCA)	NCC Group 1 Average specific extinction area less than 250 m <sup>2</sup> /kg
			NZBC Group 1-s
BS EN ISO 4589-3: 1996	Determination of burning behaviour of plastics by oxygen index at an elevated temperature of 60°C	390595	>80%
EN ISO 9094-1: 2003	Classification/ Compliance	390595(A)	Complies to Directive 94/25/EC. Material suitable for use as insulation of engine space in recreational maritime craft.

## ACOUSTIC PERFORMANCE

Frequency (Hz)	12 mm	25 mm	50 mm
100	0.04	0.04	0.13
125	0.02	0.07	0.23
160	0.05	0.13	0.32
200	0.07	0.20	0.55
250	0.12	0.36	0.82
315	0.16	0.54	0.95
400	0.22	0.74	1.05
500	0.32	0.87	1.10
630	0.45	0.95	1.06
800	0.59	0.95	0.97
1000	0.69	0.96	0.94
1250	0.77	0.92	0.90
1600	0.88	0.90	0.77
2000	0.91	0.82	0.77
2500	0.94	0.75	0.80
3150	0.93	0.69	0.82
4000	0.91	0.70	0.74
5000	0.81	0.67	0.72
NRC	0.50	0.75	0.90
SAA	0.51	0.75	0.89
$\alpha_w$	0.35 (MH)	0.65 (M)	0.85

Tested to ISO 354:2003 at University of Canterbury, New Zealand  
Report Numbers: 285, 286 & 287

Sorbertextile GC/PA applied to Sorberfoam (Sorberfoam GC)



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).*

