

# SORBERTEXTILE™ STA

## heat reactive adhesive coated glass based acoustic fabric for perforated tiles & panels

Sorbertextile STA is a glass based acoustic textile, coated with a heat reactive adhesive. The fabric was selected to provide excellent mechanical strength, opacity, permeability and flammability.

It is predominantly designed for installation behind perforated panels to provide good sound absorption and elegant appearance. The fabric further assists in preventing fibre release from bulk insulation materials like polyester blanket, rockwool or fibreglass, if being used to further boost the acoustic properties.

Sorbertextile STA can be laminated to Sorberscreen, Sorberfoam, Sorberpoly or Sorberglass to enhance fire and acoustic performance.

When laminated to Sorberscreen perforated metal, it achieves the highest fire ratings complying with International standards for low spread of flame, MED B and MED D certification (Wheelmark).

It is supplied ready for use, with a pre-applied adhesive backing to allow attachment to any type of perforated panel system. Simple to apply - preheat to 100°C to 150°C and gently apply pressure to achieve a good bond. Therefore messy adhesive-spraying processes can be eliminated.

Sorbertextile STA is available in black colour although white colour is available on request (subject to order quantity).

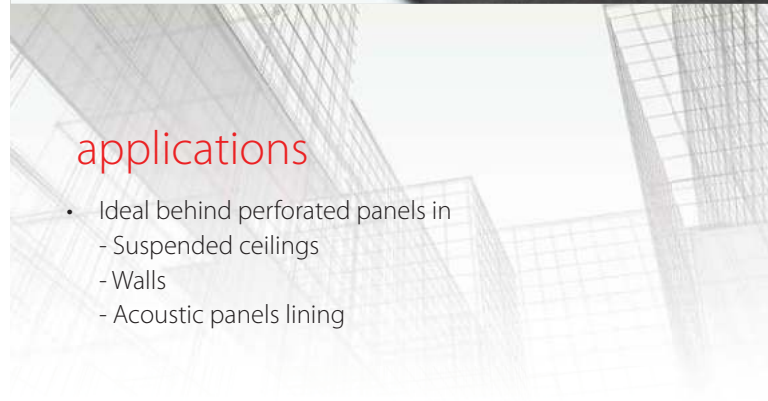
### PREPARATION REQUIRED

- Required temperature to reactivate adhesive - 100°C to 150°C
- Gentle pressure

### SPECIFICATIONS

Colour	Black, White (Depending on MOQ)
Available (Standard Roll)	Width (mm) - 1250 Length (Lineal metres) - 500

Tolerance of ± 5%



## applications

- Ideal behind perforated panels in
  - Suspended ceilings
  - Walls
  - Acoustic panels lining

## features

- Premium sound absorption properties
- NRC ≥ 0.75 for most commonly used perforated patterns
- Easy installation – heat reactive adhesive requires only 100°C to 150°C
- Low flammability and smoke index, tested to IMO FTP standard
- Excellent mechanical properties
- Maximum recommended service temperature - 100°C
- Unique & adequate solution for most acoustic installations
- Clean and light
- Fixed in place not 'floating'
- Can be supplied laminated to Sorberscreen®, Sorberfoam, Sorberpoly or Sorberglass

## PRODUCT SPECIFICATIONS

Thickness EN 29073-T2 (mm)	Tensile strength EN 29073-T3	Roll		Weight EN 29073-T1 (gsm)	Elongation at maximum tensile strength EN 29073-T3	Storage temperature
		Width (mm)	Length (Lineal metres)			
0.27	*MD:80N/50 mm **CD:50N/50 mm	1250	500	60	2%	40°C max.

\* Machine Direction; \*\*Cross Direction, Tolerance of ± 5%

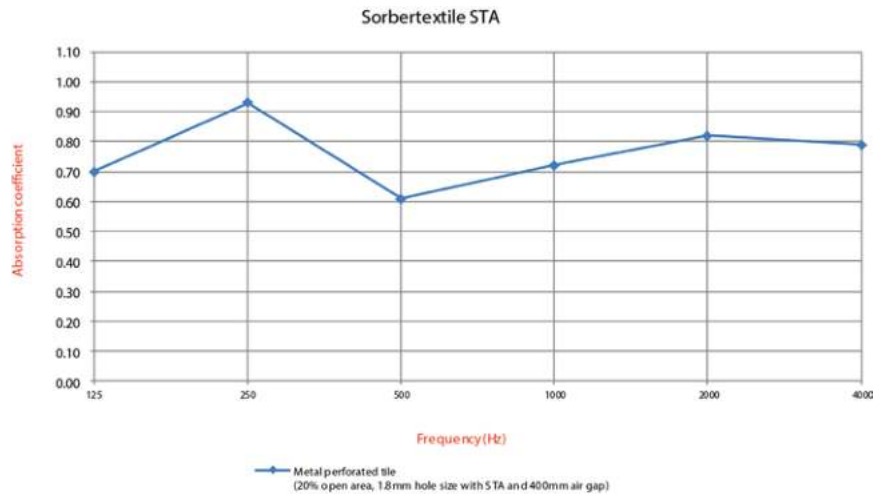
## MATERIAL PROPERTIES

Test Method	Property	Report No.	Results
IMO FTP Annex 1 Part 5	Surface Flammability	324201	*Complies for Bulkhead, walls and ceiling linings. Tested on perforated metal substrate as Sorberscreen ST
IMO FTP Annex 2	Smoke and toxicity	324201	
MED B	EC Type Certificate (Module B) for Marine Equipment Directive	164.112/1121/WCL MED0361TE	
AS 5637.1 (AS 3837 / ISO 5660-1)	Fire hazard properties	FH5998-TO and FH5998-TT	Group 1, 1-S
FMVSS-302	Flammability of interior materials	29516AC1	*Complies to the requirements of US (DOT) Department of transportation for occupant compartments of motor vehicles

\*Above results relate to Sorbertextile STA laminated to perforated metal - (Sorberscreen ST)

## ACOUSTIC PERFORMANCE

Frequency (Hz)	Metal perforated tile (20% open area, 1.8 mm hole size with STA and 400 mm air gap)
125	0.70
250	0.93
500	0.61
1000	0.72
2000	0.82
4000	0.79
NRC	0.80



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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.

