

## SORBERTEXTILE™ P44FR

### engineered acoustic fabric with heat reactive adhesive

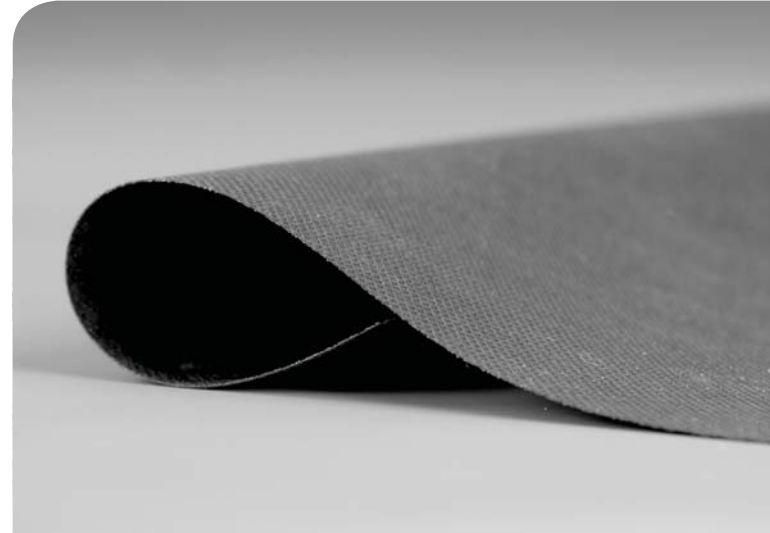
Sorbertextile™ P44FR is a non-woven acoustic textile, coated with a heat reactive adhesive. The nonwoven fabric was selected to provide excellent mechanical strength, opacity and permeability.

It is predominantly designed for installation behind perforated panels to provide a good sound absorption, elegant appearance and to prevent fibre release from bulk materials like polyester blanket, rockwool or fibreglass, which might be used for further boosting of the acoustic properties.

It is supplied ready for use, with a pre-applied adhesive backing to allow attachment to any type of perforated panel system. To achieve a good bond, preheating only to 80°C and gentle pressure are required. Therefore messy adhesive-spraying processes can be eliminated.

#### SPECIFICATIONS

Colour	Black (standard) White available - based on minimum order quantities
Available	1200 mm x 50 m rolls 1200 mm x 200 m rolls



### applications

Behind perforated panels in:

- Suspended ceilings
- Acoustic panels lining

### features

- Premium sound absorption properties
- $NRC \geq 0.70$  for most commonly used perforated patterns
- Easy installation – heat reactive adhesive requires only 80 °C
- Excellent mechanical properties
- Recommended service temperature - 80 °C
- Unique & adequate solution for most acoustic installations
- Very easy installation
- Clean, light and safe to handle
- Fixed in place not 'floating'
- Can be supplied laminated to perforated panels in pattern of choice
- FR versions conform to stringent building code 15.30-3 Standards

## PRODUCT SPECIFICATIONS

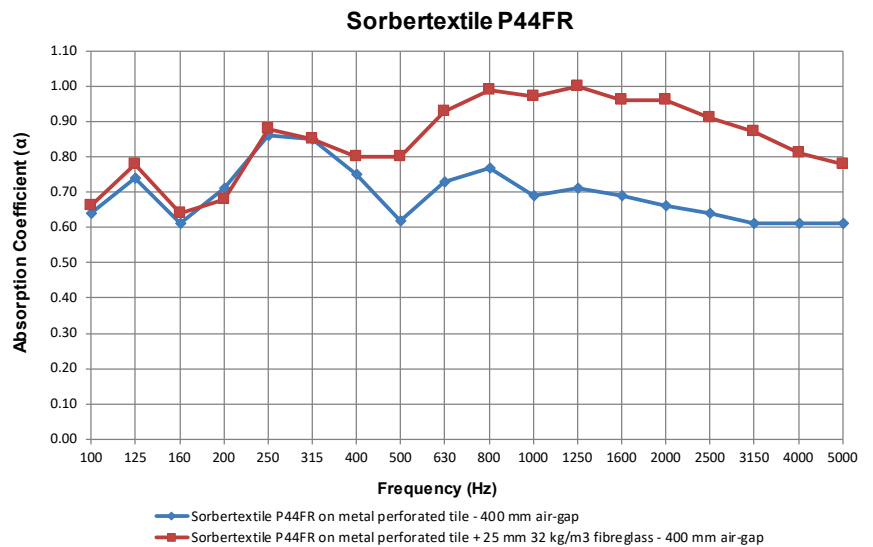
Product	Description	Nominal Thickness (mm)	Roll		Weight (gsm)	Max. Storage Temperature (°C)
			Width (mm)	Length (Lineal m)		
Sorbertextile™ P44FR	FR Glue	0.37	1200	200	160	40
Sorbertextile™ P44	Standard	0.37	1200	200	160	40

## MATERIAL PROPERTIES

Product	Test method	Property	Report	Results
Sorbertextile™ P44FR	AS 1530.3	Flame propagation (spread of flame index), Smoke development index	16-006626	0, 4
	AS 1530.2	Flammability index	18-003119	1
Sorbertextile™ P44 & P44FR	FMVSS302	Flammability of interior materials	-	Complies to the requirements of US (DOT) Department of transportation for occupant compartments of motor vehicles

## ACOUSTIC PERFORMANCE

Frequency (Hz)	Sorbertextile P44FR on metal perforated tile - 400 mm air-gap	Sorbertextile P44FR on metal perforated tile + 25 mm 32 kg/m <sup>3</sup> fibreglass - 400 mm air-gap
100	0.64	0.66
125	0.74	0.78
160	0.61	0.64
200	0.71	0.68
250	0.86	0.88
315	0.85	0.85
400	0.75	0.80
500	0.62	0.80
630	0.73	0.93
800	0.77	0.99
1000	0.69	0.97
1250	0.71	1.00
1600	0.69	0.96
2000	0.66	0.96
2500	0.64	0.91
3150	0.61	0.87
4000	0.61	0.81
5000	0.61	0.78
NRC	0.70	0.90
SAA	0.72	0.89
$\alpha_w$	0.70 (L)	0.90



Tested to AS 1045:1988 at RMIT  
 Manufactured data unavailable

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).*

