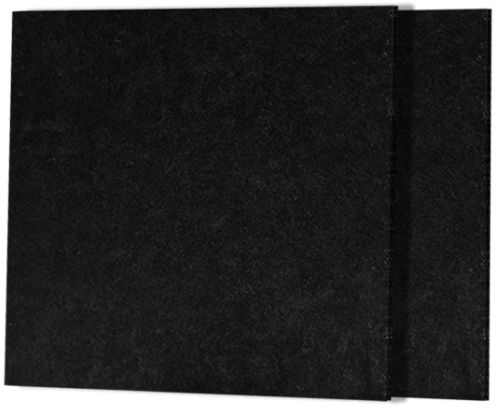
SORBERTEXTILE™ P52

lightweight acoustic textile absorber and protective facing

Sorbertextile P52 is Pyrotek's acoustic textile absorber which can be used on its own or in conjunction with other common acoustic materials such as foams or polyesters. It offers a robust alternative to commonly used absorbers, providing a highly versatile product for harsh environments.
Sorbertextile P52 was engineered to deliver excellent sound absorption results, reducing reverberation in mid to high frequencies when installed with an air cavity of as little as 20 mm. The air gap can be increased, offering better absorption in the lower frequency to meet acoustic requirements. If the application includes acoustic foam or polyester in the air cavity, the performance will increase across the full frequency range.
The product is suitable for use in a variety of environments ranging from industrial to commercial applications. Designed with versatility in mind, Sorbertextile P52 can protect porous absorbers from damage while providing a finish to suit most interior designs.



VOC, ODP, HEALTH AND SAFETY

Sorbertextile P52 is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet. No ozone depleting substances are used during the manufacture of Sorbertextile P52.

applications

- All types of acoustic panels
- Automotive soundboards
- Office partitions
- Concert halls and auditoriums
- Recording studios
- Silencers
- Power stations
- Plant rooms
- Classrooms and lecture theatres
- Factories
- Enclosures

SPECIFICATIONS

Colour	Black
Available	Standard sheet size: 1.45 m x 2.42 m Nominal thickness: 1.5 mm
	Custom sizes, colours and/or thicknesses available depending on MOQ

features

- Easy to tune to the noise spectrum for maximum sound absorption impact
- Lightweight - no bulk
- Low flammability and smoke index
- No unpleasant or harmful fibres
- Easy to install
- No unpleasant or harmful fibres
- Mouldable

PRODUCT SPECIFICATION

Product	Nominal thickness	Standard length	Standard width	Max storage temperature
Sorbertextile P52	1.5 mm (0.06 in)	2.42 m (7.94 ft)	1.45 m (4.76 ft)	40 °C (104 °F)

Tolerances: Length: ±1%, Width: -0/+5 mm (0.2 in), Thickness: ±0.5 mm (0.02 in)

ACOUSTIC PERFORMANCE (WITH AIR-GAP)

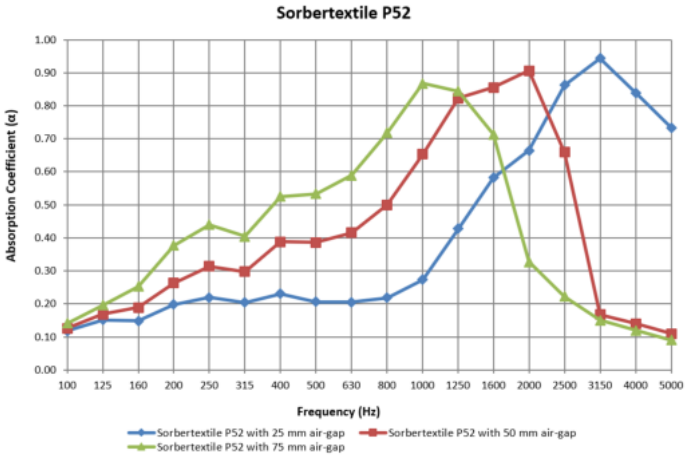
Frequency (Hz)	with 25 mm air-gap	with 50 mm air-gap	with 75 mm air-gap
100	0.12	0.13	0.14
125	0.15	0.17	0.20
160	0.15	0.19	0.25
200	0.20	0.26	0.38
250	0.22	0.31	0.44
315	0.20	0.30	0.40
400	0.23	0.39	0.52
500	0.21	0.39	0.53
630	0.21	0.42	0.59
800	0.22	0.50	0.72
1000	0.27	0.65	0.87
1250	0.43	0.82	0.84
1600	0.58	0.86	0.71
2000	0.66	0.91	0.33
2500	0.86	0.66	0.22
3150	0.94	0.17	0.15
4000	0.84	0.14	0.12
5000	0.73	0.11	0.09
NRC	0.35	0.55	0.55
SAA	0.36	0.54	0.55
α_w	0.30 (H)	0.35 (MH)	0.30 (LM)

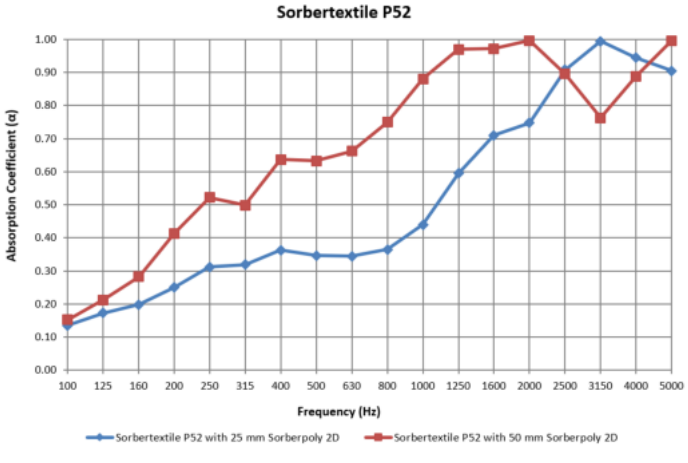
Tested to ISO 10534-2 | Report Number: 22119AR5

(WITH SORBERPOLY 2D)

Frequency (Hz)	with 25 mm Sorberpoly 2D	with 50 mm Sorberpoly 2D
100	0.13	0.15
125	0.17	0.21
160	0.20	0.28
200	0.25	0.41
250	0.31	0.52
315	0.32	0.50
400	0.36	0.64
500	0.35	0.63
630	0.34	0.66
800	0.37	0.75
1000	0.44	0.88
1250	0.60	0.97
1600	0.71	0.97
2000	0.75	1.00
2500	0.91	0.90
3150	0.99	0.76
4000	0.94	0.89
5000	0.90	1.00
NRC	0.45	0.75
SAA	0.48	0.74
α_w	0.45 (H)	0.70 (H)

Tested to ISO 10534-2 | Report Number: 22119AR5





For further information and contact details, please visit our website grayking.com.au