

# TECHNICAL DATASHEET

## Fibertex FiberAcoustic 450

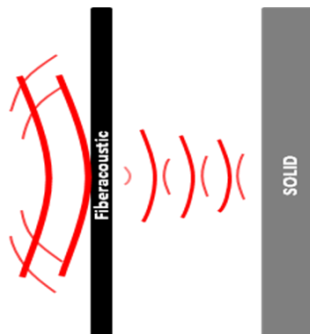
Product data sheet

Product description	
Colour	BLACK, WHITE
Fibre composition	100% Polyester (Flame-retardant)
Product treatment	Melted on one side
Intended use	Acoustic

Product specification				
Characteristic	Test method	Unit	Nominal value	Tolerance
Mass per unit area	EN ISO 9073-1	g/m <sup>2</sup>	420	min. 380 / max. 460
Thickness @ 0,5 kPa	EN ISO 9073-2	mm	2,5	min. 2,3 / max. 2,9
Breaking strength MD	EN ISO 9073-3	N	425	min. 425
Breaking strength CD	EN ISO 9073-3	N	800	min. 800
Elongation @ break MD	EN ISO 9073-3	%	80	min. 50
Elongation @ break CD	EN ISO 9073-3	%	55	min. 40
Flame retardant	EN ISO 13501-1: B-s1, d0			
Above technical values are based on an average of running production.				
Fibertex reserves the right to change product data without notice.				

Indicative values

MD: Machine direction  
CD: Cross direction



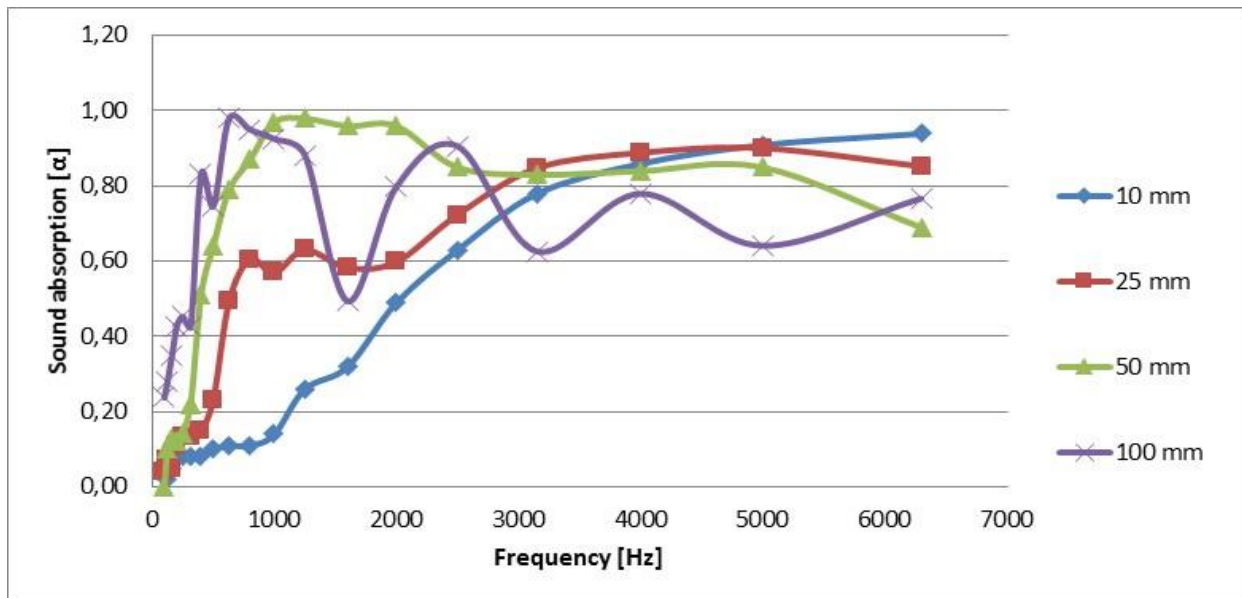
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## Material absorption coefficient

In accordance with EN/ISO 10534-2

Date	21. January 2013
Temperature / pressure	22°C / 101325Pa
Diameter of test specimen	60mm (100-2500Hz) & 30mm (800-4000Hz)
Description of test specimen and test setup	FiberAcoustic 75 with air gap

Frequency [Hz]	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300
10 mm	0,06	0,02	0,05	0,08	0,08	0,08	0,08	0,10	0,11	0,11	0,14	0,26	0,32	0,49	0,63	0,78	0,86	0,91	0,94
25 mm	0,04	0,07	0,05	0,11	0,13	0,14	0,15	0,23	0,49	0,61	0,57	0,63	0,58	0,60	0,72	0,85	0,89	0,90	0,85
50 mm	0,00	0,10	0,13	0,12	0,14	0,22	0,51	0,64	0,79	0,87	0,97	0,98	0,96	0,96	0,85	0,83	0,84	0,85	0,69
100 mm	0,24	0,28	0,35	0,43	0,45	0,43	0,83	0,75	0,98	0,95	0,92	0,88	0,49	0,80	0,91	0,63	0,78	0,64	0,77



## Material absorption coefficient

In accordance with EN/ISO 354

Property	Value/note
At 45 mm cavity - 10,5 m <sup>2</sup>	weighed soundabsorption coefficient $\alpha_w$ 0,45 Class D (MH)
At 200 mm cavity - 10,5 m <sup>2</sup>	weighed soundabsorption coefficient $\alpha_w$ 0,85 Class B

- Results according to test report no. P2 039.12 from Grontmij – Available in details at request.