

## Product data sheet

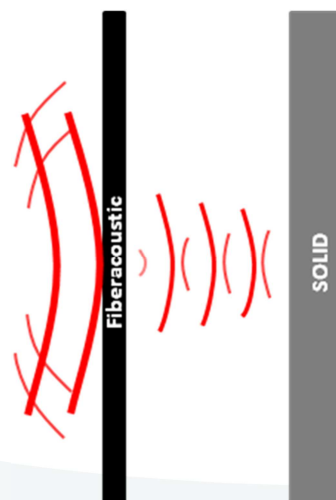
# FiberAcoustic 450

Property	Standard	Unit	Value MD/CD
Mass per unit area	EN/ISO 29073-2	g/m <sup>2</sup>	450
Thickness	EN/ISO 29073-1	mm	2,5
Tensile strength	EN/ISO 29073-3	N	425/800
Elongation at break	EN/ISO 29073-3	%	80/55
Acoustic impedance		Ns/m <sup>3</sup>	600
Color	White		
Width	1150 mm tolerance ± 10 mm		
Fibre blend	100% Polyester (Flame-retardant)		
Fibre bonding	Needled with surface meltdown		
Flame retardant	EN13501: B-s1, d0		

Indicative values

MD: Machine direction

CD: Cross direction

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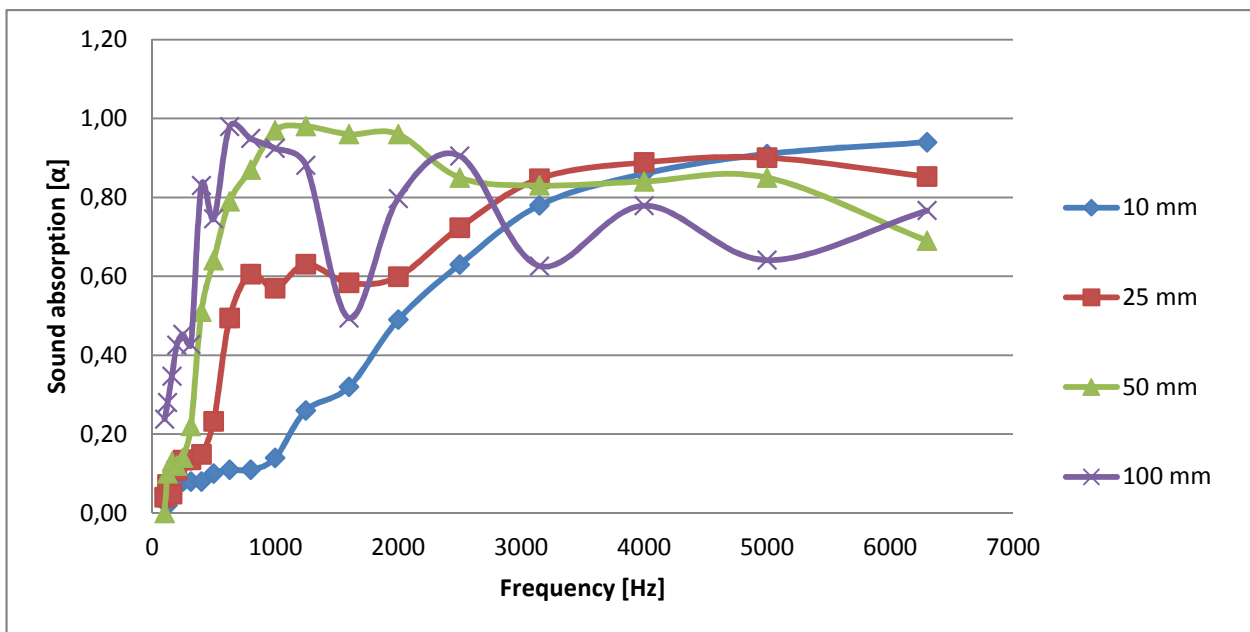


## Material absorption coefficient

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 450 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.