

## Product data sheet

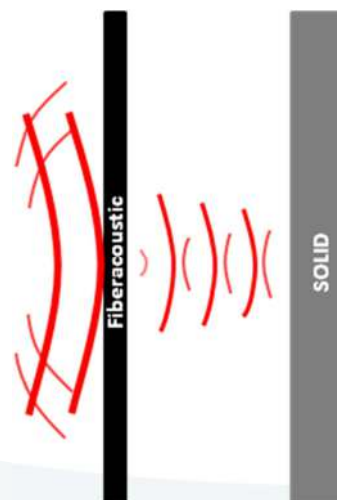
# FiberAcoustic 75

Property	Standard	Unit	Value MD/CD
Mass per unit area	EN/ISO 29073-2	g/m <sup>2</sup>	75
Thickness	EN/ISO 29073-1	mm	0,3
Tensile strength	EN/ISO 29073-3	N	25/35
Elongation at break	EN/ISO 29073-3	%	15/30
Acoustic impedance		Ns/m <sup>3</sup>	250
Color	Black		
Width	1200 mm, 600 mm tolerance $\pm$ 10 mm		
Fibre blend	Polyester (Flame-retardant)		
Treatment	Adhesive one side 13 g/m <sup>2</sup> melt temp. 85°C		
Flame retardant	EN13501: B-s1, d0		

Indicative values

MD: Machine direction

CD: Cross direction

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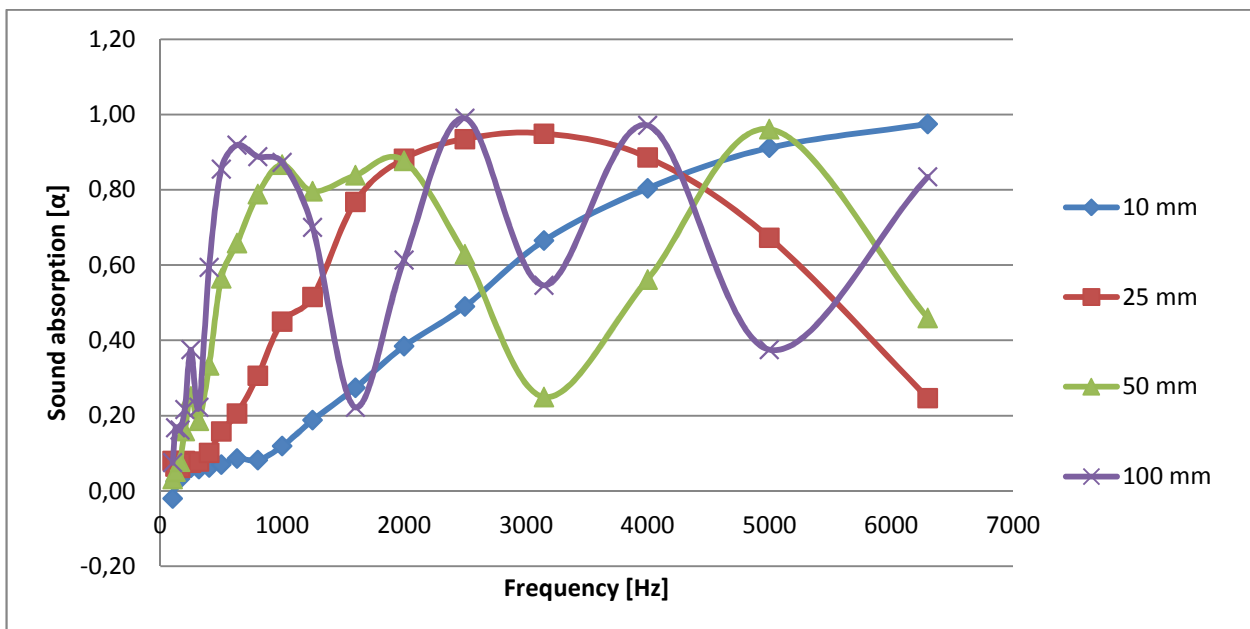


## Material absorption coefficient

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 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	-0,02	0,02	0,03	0,07	0,06	0,06	0,06	0,07	0,09	0,08	0,12	0,19	0,27	0,38	0,49	0,67	0,80	0,91	0,98
25 mm	0,08	0,07	0,06	0,08	0,08	0,08	0,10	0,16	0,21	0,31	0,45	0,52	0,77	0,88	0,94	0,95	0,89	0,67	0,25
50 mm	0,03	0,05	0,08	0,16	0,25	0,19	0,33	0,57	0,66	0,79	0,87	0,80	0,84	0,88	0,63	0,25	0,56	0,96	0,46
100 mm	0,08	0,17	0,16	0,22	0,38	0,22	0,59	0,86	0,92	0,89	0,87	0,70	0,22	0,61	0,99	0,55	0,97	0,38	0,83



## 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 $\alpha_w$ 0,25 Class E (H)
At 200 mm cavity - 10,5 m <sup>2</sup>	weighed soundabsorption coefficient $\alpha_w$ 0,45 Class D (MH)

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