

Volumetric Density

ρ	354 kg/m ³
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Mechanical Properties

Physical Properties

Thermal Conductivity

λ	0,0661 W.m ⁻¹ .K ⁻¹	¹ ² , calculation value: 0,066 W.m ⁻¹ .K ⁻¹ ³
	0,0623 W.m ⁻¹ .K ⁻¹	
	0,0520 W.m ⁻¹ .K ⁻¹	

Moisture Diffusion

at 23°C, 50% R.H.

k_D	2,60 mg/m ² .h.Pa
μ	5,7
s_d	0,28 m

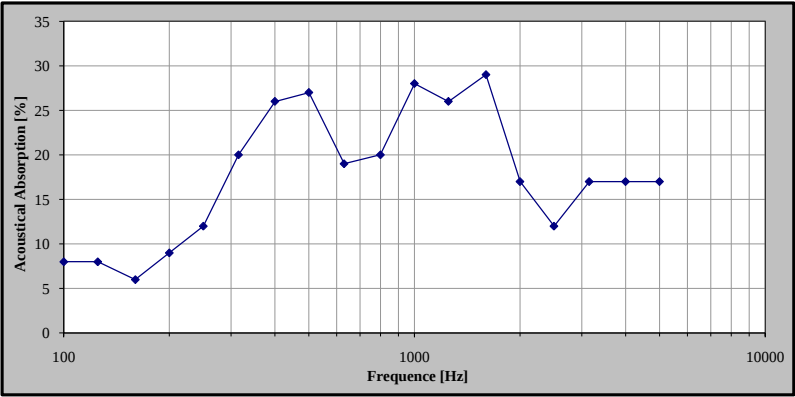
at 23°C, 92% R.H.

k_D	2,90 mg/m ² .h.Pa
μ	4,9
s_d	0,25 m

Acoustical Properties

Acoustical Absorption Coefficient ⁴

Frequency [Hz]	α [%]
100	8
125	8
160	6
200	9
250	12
315	20
400	26
500	27
630	19
800	20
1000	28
1250	26
1600	29
2000	17
2500	12
3150	17
4000	17
5000	17



References

¹ CSI, Milano (I) - Test Report IS/027/99 d.d. 26.01.99
² EMPA, Swiss Federal Laboratories for Material Testing and Research, Dübendorf (CH) - Test Report 180 769 d.d. 26.03.85
³ Istituto Giordano, Laboratorio di Ricerche di Fisica Tecnica, Bellaria (I) - Certificate n. 5626 d.d. 17.04.1984
⁴ Istituto Giordano, Laboratorio di Ricerche di Fisica Tecnica, Bellaria (I) - Certificate n. 30594 d.d. 09.10.89