

	Value	Unit
Bulk density (EN ISO 29470)	225 14	kg/m ³ lb/ft ³
Compressive strength (EN ISO 29469)	2.6 377	MPa psi
Total porosity (EN 993-1)	91	%
Water vapour transmission, μ (EN 12086)	3	
Short term water absorption (EN ISO 29767)	28 5.73	kg/m ² lb/ft ²
Thermal conductivity (EN 12667), $\lambda_{23,50}$	0.068 0.039	W/(m×K) BTU/(h×ft×°F)

Sound reduction index ($R_w(C;C_{tr})$)	Thickness		
	25mm	25 (-2;-4)	dB
	60mm	27 (-1;-3)	dB

Thermal resistance	Thickness	R	
	25mm	0.37	(m ² ×K)/W
	50mm	0.74	(m ² ×K)/W
	100mm	1.47	(m ² ×K)/W
	0.98in	2.09	(ft ² ×h×°F)/BTU
	1.97in	4.18	(ft ² ×h×°F)/BTU
	3.94in	8.35	(ft ² ×h×°F)/BTU

Fire classification (EN 13501-1:2007 + A1:2009)	A1	
HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00	
Colour	Grey	

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Size	Length	Width	Thickness
Maximum	2,440mm	1,220mm	105mm
Minimum	According to your specification	According to your specification	20mm
Standard tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.5 mm
Machined tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.0 mm

*Dimensional tolerances depend on length and width

General information

Not all size combinations are available for ordering.

Contact Skamol for the tolerance for a specific size.

Standard sizes

Check your Skamol price list or contact Skamol with your request.

Machining

Special shapes machined to customer specification can be supplied for specific design requirements.

Packaging

Products will be packed according to the Skamol standard.



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Acoustic performance (25mm)

Frequency in Hz	100	125	160	200	250	315	400	500	630	800	1,000	1,250	1,600	2,000	2,500	3,150	4,000	5,000
R in dB	9.2	11.8	10.6	13.6	18.9	21.7	17.3	21.8	20.1	23.9	26.7	28.3	27.0	25.8	27.1	29.6	31.5	30.9

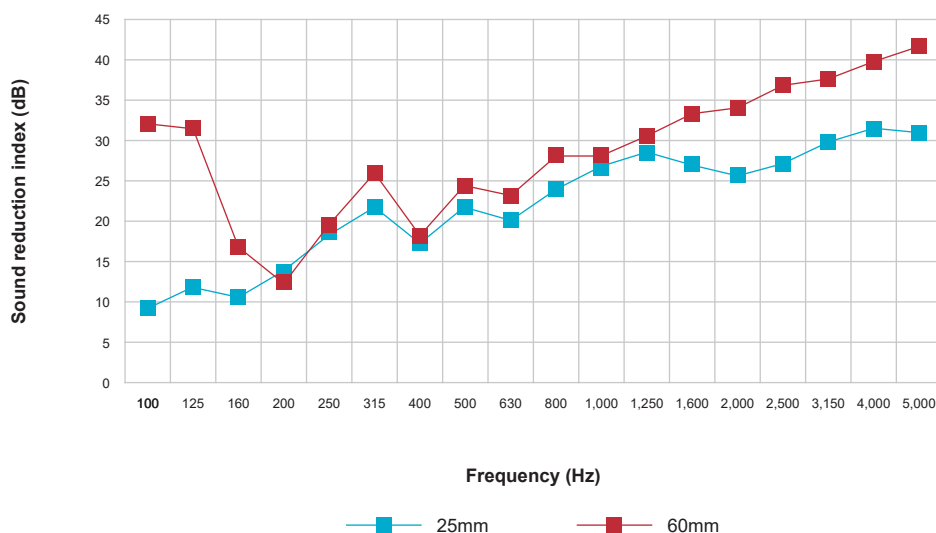
Acoustic performance (60mm)

Frequency in Hz	100	125	160	200	250	315	400	500	630	800	1,000	1,250	1,600	2,000	2,500	3,150	4,000	5,000
R in dB	32.1	31.6	16.8	12.4	19.5	26.5	18.2	24.5	23.1	27.1	28.1	30.5	33.3	34.1	36.8	37.6	39.8	41.6

Tested to NF EN ISO 10140-1 (2016), NF EN ISO 10140-2 (2013), NF EN ISO 10140-4 (2013)

Rating according to NF EN ISO 717-1 (2013)

Report no. RA-ACO0650



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