

TECHNICAL DATA:

Application	for wet machine-processed cellulose insulation material for sound absorption with the addition of a spray adhesive	
Layer thicknesses	for acoustic applications in variable layer thicknesses from approx. 15 to approx. 30 mm (sound absorption values are available from a layer thickness of 15 mm and 25 mm)	
Bulk density	< 100 kg/m ³	
Reaction to fire	D	B-s1, d0 according to EN 13501-1 for isofloc silencio white in thicknesses from 20–25 mm on mineral substrates (German technical approval no.: Z-56.211-3604)
	CH	BKZ 5.3 in accordance with VKF (Association of Cantonal Fire Insurance Companies) / Fire Behaviour Group RF2 KZ
Vapour diffusion resistance coefficient	1 (-)	
Thermal conductivity	approx. 0,05 W/(m · K) (guide value)	
Sound absorption values	NRC = noise reduction coefficient α_w = sound absorption coefficient HRM = reverberation room measurement (Empa – Swiss Federal Laboratories for Materials Science and Technology)	

	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	NRC	α_w
15 mm HRM	0,06	0,16	0,40	0,67	0,87	1,04	0,53	0,40
25 mm HRM	0,09	0,35	0,81	1,05	1,05	1,01	0,82	0,65

Primary energy expenditure	non-renewable: 7.43 MJ/kg (production, additives, transport) total: 10.0 MJ/kg (including disposal)
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Your benefits with isofloc® silencio:

- outstanding sound absorption values even at 15 mm thickness
- no substructure required
- virtually no loss of room height
- can be sprayed directly onto existing surfaces without joints and fitting precisely
- low weight
- efficient processing
- assured quality from isofloc licensed specialists

We shall be happy to answer any questions you might have:

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