

Data sheet acoustic insulation and vibration damping



Commodity group 60

COMFORT

Sound and vibrations occur almost everywhere where something is in motion or moved around. In addition, requirements for sound and vibration insulation solutions vary widely. As a generalist with good impact sound insulation, our mat achieves beneath lots of subfloors already very good results and provides the necessary insulation also beneath wooden constructions and pavements.



Quality type	060.0780-S COMFORT					
Formats						
Roll width	1′250 mm					
Thicknesses	8 10 12 15 20mm Any other material thicknesses on demand.					
Lengths	8 6 5 4 4m					
Sheet formats	On request					
Tolerances	Length and width ± 1.5%, thickness ± 5%					
Material						
Properties	Tough and permanently elastic, high compression resistance and impact strength, rotproof, very good impact sound insulation.					
Composition	SBR caoutchouc granules bonded with PUR.					
Specifications						
Bulk density	Approx. 780 kg/m ³					
Ultimate tensile strength	> 0.7 N/mm ² Elongation at break: 69% 10 mm: Elongation at break; 71% E modulus 50%; 0.68 N/mm ²	ISO 37 and ISO 1798				
Temperature stability	-30° C to +80° C (in resting condition -120° C and for short periods up +300° C)					
Thermal conductivity	0.17 W/(mK)	EN 12667				
Fire behaviour	Efl (normal inflammable; B2)	EN 13501				
Sound improvement	8 mm: 19dB (with a 50 mm "Lauber" slab, 1.6 x 1.9 m) 47dB (carried out in the residential building) Please look at page 2 and 3 for detailed evaluations	EN 10140				
Compression set (DVR)	10 mm: 14% DVR with a compression of 25%	ISO 815				
Static and dynamic stiffness	10 mm: Please look at page 3 for a detailed evaluation					
Vapour diffusion	Vapour permeable					
Chemical behaviour	Resistant to water, numerous diluted acids and alkaline solutions; Chemically neutral; UV-resistant					

Lay loosely, butt tightly together and cover it with a PE-foil (min. 0.2 mm) overlapping the joints approx. 20 cm.





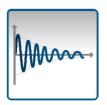


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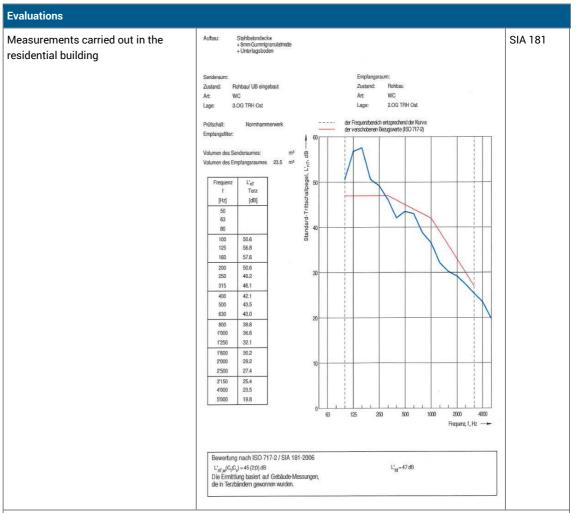
Installation



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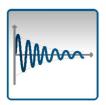


Our elastic acoustic insulation underlay 060.0780-S COMFORT in 8mm meets the requirements between different cuttings for sound insulation in building construction according to SIA 181 as follows:

Sensitivity to	Degree of disturbance / requirements in dB								
noise	small		moderate		strong		very strong		
Use (cutting)	archive, reading room, etc.		living room, bedroom, kitchen, bathroom, toilet, etc. as well as stairs, office etc.		restaurant, hall, gym, music practicing room, etc.		in the night between 10 p.m. and 6 a.m.		
		fulfilled		fulfilled		fulfilled		fulfilled	
low	63	x	58	х	53	x	48	х	
modest	58	X	53	x	48	x	43		
heavy	53	x	48	x	43		38		

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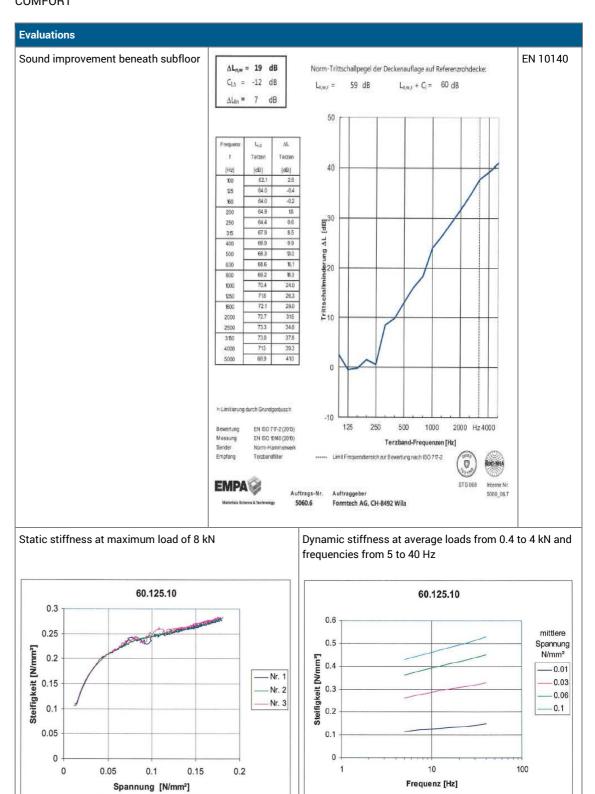




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