

ISOLFON-VibroMat.10

Technical Properties

HIGH DENSITY ELASTIC-RESILIENT PANEL MADE OF VULCANIZED AND PRESSED GRANULAR RUBBER

Ecological membrane for impact sound noises insulation with a mat of a 750 kg/m³ density made up with natural and synthetic elastomeric compounds, coming also from the recycling of ELT (end of life tyres) bound by mass-polymerized polyurethanes.

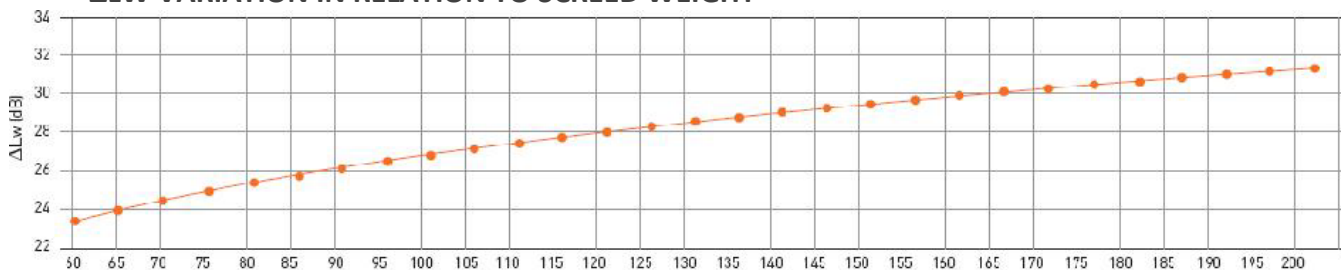
ACOUSTIC PERFORMANCES

Description	Symbol	M.U.	Value	Norms
Apparent Dynamic rigidity	(S' _t)	MN/m ³	26	UNI EN 29052-1
Resonance Frequency	(f ₀)	Hz	57	UNI EN 29052-1
Impact Sound Noise attenuation level	ΔL _w	dB	28	UNI EN 29052-2

ATTENUATION RATING INDEX OF IMPACT SOUND NOISE PRESSURE LEVEL ACCORDING TO UNI EN 12354-2

m' kg/m ²	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	220
ΔL _w dB	23,4	24,0	24,5	24,9	25,3	25,7	26,1	26,4	26,8	27,1	27,4	27,7	28,0	28,2	28,5	28,7	29,0	29,2	29,4	29,6	29,8	30,0	30,2	30,4	30,6	30,8	31,0	31,1	31,3	31,9

ΔL_w VARIATION IN RELATION TO SCREED WEIGHT



Screed surface mass m' (kg/m²)

THERMAL PERFORMANCES

Description	Symbol	M.U.	Value	Norms
Thermal Conductivity	(λ)	w/mK	0.1226	UNI EN 12667:2002
Thermal resistance	(R)	m ² k/W	0.081	UNI EN 12667:2002
Thermal transmission	(U)	m ² k/W	12.34	UNI EN 12667:2002

PHYSICAL-MECHANICAL PERFORMANCES

Description	Symbol	Value	Tolerances
Rubber Density	Kg/m ³	750	± 7 %
Rubber thickness	mm	10	± 10 %

Description	M.U.	Value	Norms
Elongation percentage at break	%	27	
Heat resistance	°C	up to + 80	
Cold resistance	°C	up to - 30	
Fire rating		B2	DIN 4102
SHORE A hardness		50	

CHEMICAL PERFORMANCES

Characteristic	Performances
Resistance to microbes	Resistant to fungi, insects and microbes attacks
Chemical interactions	Highly resistant to acids and alkaline detergents, retains its characteristics unchanged over time
Electrostatics	Does not accumulate static charge and prevent interaction between materials
Environmental sustainability	100 % recyclable

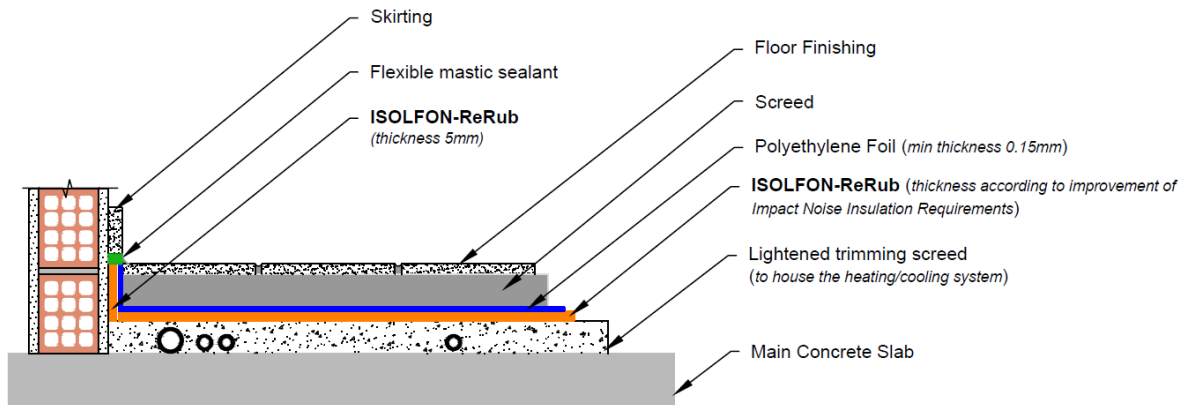
SPECIFICATION

Impact sound noises acoustic insulation obtained by carrying out a floating floor over a suitable elastic-resilient decoupled layer laid directly over the concrete floor or after having made the lightened levelling screed. The material is made of a 750 kg/m³ (± 7%) density mat made of natural and synthetic elastomeric compounds, coming from the recycling of ELT (end of

life tyres), bound by 10 mm thick mass-polymerized polyurethanes, with an attenuation rating index to impact sound noise pressure level of $\Delta L_w = 28$ dB, made up of natural and synthetic elastomeric granules bound by mass-polymerized polyurethane resins, with a dynamic rigidity $s't$ equal to 26 MN/m³, such as ISOLFON-ReRub.10

APPLICATION - FLOOR

After the installation of the fixtures and the leveling with lightened screed, before the screed or directly over the concrete floor before the lightened screed.



APPLICATION METHOD (AFTER THE LIGHTENED SCREED)

1. Decouple at the base all the vertical partitions (walls) with wall cut band ISOLFON-FF.5
3. Lay over the lightened screed the acoustic insulation product ISOLFON-ReRub 10 on the entire floor closer as much as possible to the walls. Seal the junctions between the mats by overlapping the selvages of rolls edges and tape.
4. Carry out the complete decoupling of the floating screed from the perimeter vertical partitions applying the self adhesive band between the ISOLFON-ReRub 10 and the wall carrying out all the overlaps.

DIMENSIONS AND PACKAGING

Size	M.U.	Value
Thickness	mm	10
Roll Height	m	1
Roll Length	m	5