

# ISOLFON-ReRub.5

## Technical Data

### 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/m<sup>3</sup> 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

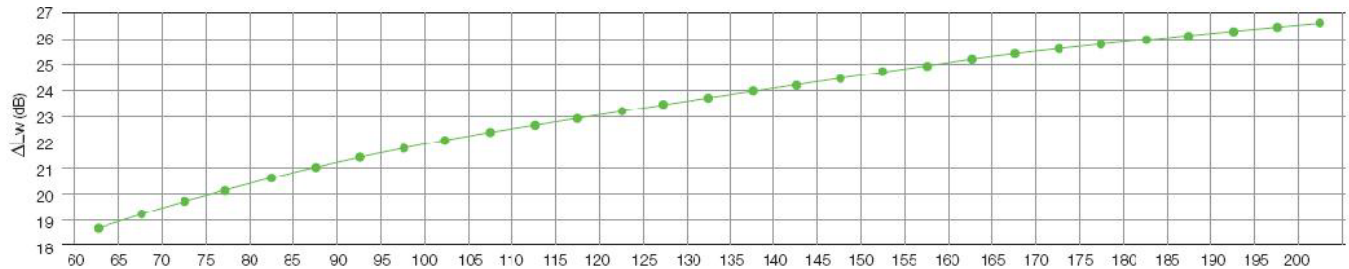
Description	Symbol	M.U.	Value	Norms	Notes
Apparent Dynamic rigidity	(S' <sub>t</sub> )	MN/m <sup>3</sup>	53	UNI EN 29052-1	Cert. No. AE-107005-MG-B
Resonance Frequency	(f <sub>0</sub> )	Hz	82	UNI EN 29052-1	Cert. No. AE-107005-MG-B
Impact Sound Noise attenuation level	ΔL <sub>w</sub>	dB	23	UNI EN 29052-2	Screed Weight 115 kg/m <sup>2</sup>

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

m'	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	
kg/m <sup>2</sup>																														
ΔL <sub>w</sub>	18,8	19,3	19,8	20,3	20,7	21,1	21,4	21,8	22,1	22,5	22,8	23,0	23,3	23,6	23,8	24,1	24,3	24,6	24,8	25,0	25,2	25,4	25,6	25,8	26,0	26,1	26,3	26,5	26,7	
dB																														

m': Screed weight

### ΔL<sub>w</sub> VARIATION IN RELATION TO SCREED WEIGHT



Screed surface mass m' (kg/m<sup>2</sup>)

## THERMAL PERFORMANCES

Description	Symbol	M.U.	Value	Norms	Notes
Thermal Conductivity	( $\lambda$ )	w/mK	0.1226	UNI EN 12667:2002	Cert.n° 050-09-the TR
Thermal resistance	(R)	m <sup>2</sup> k/W	0.042	UNI EN 12667:2002	Cert.n° 050-09-the TR
Thermal transmission	(U)	m <sup>2</sup> k/W	23.809	UNI EN 12667:2002	Cert.n° 050-09-the TR

## PHYSICAL-MECHANICAL PERFORMANCES

Description	Symbol	Value	Tolerances
Rubber Density	Kg/m <sup>3</sup>	750	± 7 %
Rubber thickness	mm	5	± 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

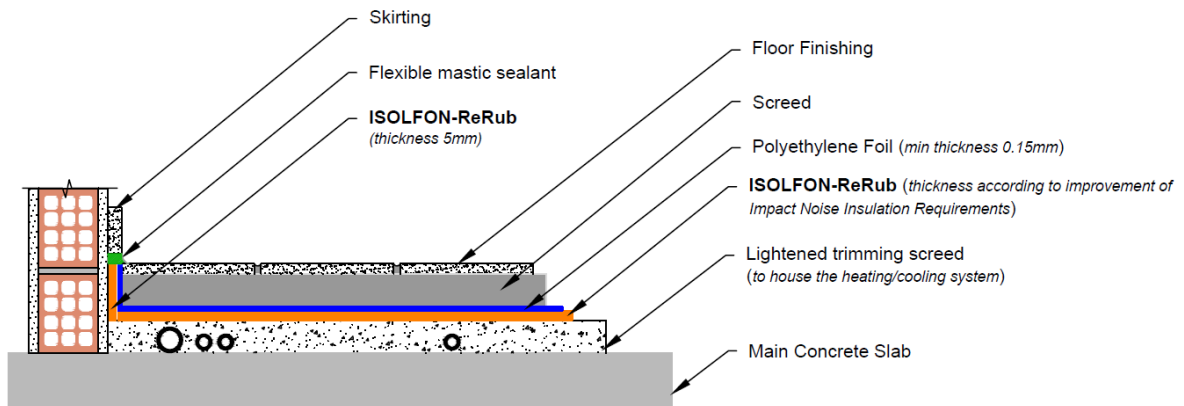
## SPECIFICATION

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/m<sup>3</sup> ( ± 7%) density mat made of natural and synthetic elastomeric compounds, coming from the recycling of ELT (end of life tyres), bound by 5 mm thick mass-polymerized polyurethanes, with an attenuation rating index to impact sound noise pressure level of  $\Delta L_w = 23$  dB, with a load of 115 kg/m<sup>2</sup>, absolute dynamic rigidity equal to 53 MN/m<sup>3</sup> and resonance frequency of 82 Hz such as ISOLFON-Barrier.5

## 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 5 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 5 and the wall carrying out all the overlaps.

## DIMENSIONS AND PACKAGING

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