

## TECHNICAL SHEET



Sound-absorbing mat made of elastic expanded dense polyethylene in rolls. It shall be laid under RDZ radiant panels to increase the acoustic performance of the slab. Thickness 10 mm.  
 Density: 30-33 kg/m<sup>3</sup>. Thermal conductivity between 0,035 and 0,039 W/m·K.  
 Trample noise reduction as L<sub>w</sub> value from lab test: 23 dB.  
 Dynamic rigidity: 43.0 MN/m<sup>3</sup>.



Code
1054230

Characteristic	Unit	Value	Standard
Density	Kg/m <sup>3</sup>	30 ÷ 33	
Thermal conductivity coefficient	W/m·K	0,035 a 10°C 0,039 a 40 °C	
Temperature limit of use	°C	-20 ÷ 80	
Impact insulation ΔL <sub>w</sub> calculated at the institute	dB	23	UNI EN ISO 10140-3:2010 UNI EN ISO 717-2:2007
Impact sound pressure level L <sub>n,w</sub> measured on site	dB	58 ÷ 59	
Compressive stress at 10 % deflection	kPa	16,420	UNI EN 826
Dynamic stiffness (MN/m <sup>3</sup> )	MN/m <sup>3</sup>	43,0	UNI EN 29052-1:1993 EN 29052-1:1992
Toxicity	Conventional Toxicity Index		AFNOR NF F 16-101-1988
	Smoke index		
	Smoke class		

Shredding table				
Concrete density	Screed height	Mass of screed per square metre	Pressure exerted by the screed on the plate	Crush immediately (Thickness 10 mm)
[ kg/m <sup>3</sup> ]	[ m ]	[ kg/m <sup>2</sup> ]	[ Pa ]	[ mm ]
1400	0,10	140	1373,4	0,11
1400	0,15	210	2060,1	0,16
2000	0,10	200	1962,0	0,15
2000	0,15	300	2943,0	0,23