



## Rubber Crumb Acoustic Pad 200mm x 200mm

**THE HIGH DENSITY ELASTIC-RESILIENT PANEL MADE OF VULCANIZED AND PRESSED RUBBER GRANULES.**

Ecological membrane for impact sound noises acoustic insulation made of a 750 kg/m<sup>3</sup> density mat made up of natural and synthetic elastomeric compounds, coming also from the recycling of ELT (end of life tyres), bound by mass-polymerized polyurethanes.

The Wallbarn Rubber Crumb Acoustic Pad Sits between the sub-deck and the baseplates of pedestals for protection and acoustic insulation.

### Key Advantages

- Offers additional protection to the pedestal and the deck
- Reduces surface noise to deck / patio
- Protects from compression and point loading from the paving or decking system and associated pedestrian traffic
- Comes in small easy to install 200mm x 200mm squares



The Wallbarn Rubber Crumb Acoustic material can also be supplied in 1m x 10m rolls for larger areas if required.

### ACOUSTIC PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Apparent dynamic rigidity	(s' <sub>i</sub> )	MN/m <sup>3</sup>	53	UNI EN 29052-1	Cert.n° AE-107005-MG-B
Resonance frequency	(f <sub>0</sub> )	Hz	82	UNI EN 29052-1	Cert.n° AE-107005-MG-B
Impact sound noise attenuation level	(ΔIIC)	dB	28	ASTM E989	
Impact insulation class	(IIC)	dB	54	ASTM E989	
Impact sound noise attenuation level	(ΔL)	dB	21	UNI EN ISO 10140-3 UNI EN ISO 717-2	Cert.n° 001-2017-ICS
Impact sound noise index level	(L <sub>n,w</sub> )	dB	56	UNI EN ISO 10140-3 UNI EN ISO 717-2	Cert.n° 001-2017-ICS

## THERMAL PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	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 transmittance	(U)	W/m <sup>2</sup> K	23,809	UNI EN 12667:2002	Cert.n° 050-09-the TR

## PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.	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
Chemical interactions	Highly resistant to acids and alkaline detergents, retains its characteristics unchanged over time
Electrostatic	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 de-coupling layer in elastic-resilient material laid directly on the concrete floor or after having carried out the levelling lightened screed. The material is formed of a 750 kg/m<sup>3</sup> (± 7%) density mat made up of natural and synthetic elastomeric compounds, coming from the recycling of ELT (end of life tyres), bound by mass-polymerized polyurethane, 5.0 mm. thickness, with an attenuation rating index of impact sound noise pressure level of ΔL<sub>w</sub> = 21 dB, dynamic rigidity equal to 53 MN/m<sup>3</sup> and a 82 Hz resonance frequency.

## FULL ROLL DIMENSIONS AND PACKAGING

SIZE	M.U.	VALUE
Thickness	mm	5
Roll height	m	1
Roll length	m	10
Weight per m <sup>2</sup>	Kg/m <sup>2</sup>	3,75
Number of rolls per pallet	piece	16
Total area per pallet	m <sup>2</sup>	160
Pallet dimension	cm	100x120x100+10 cm

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