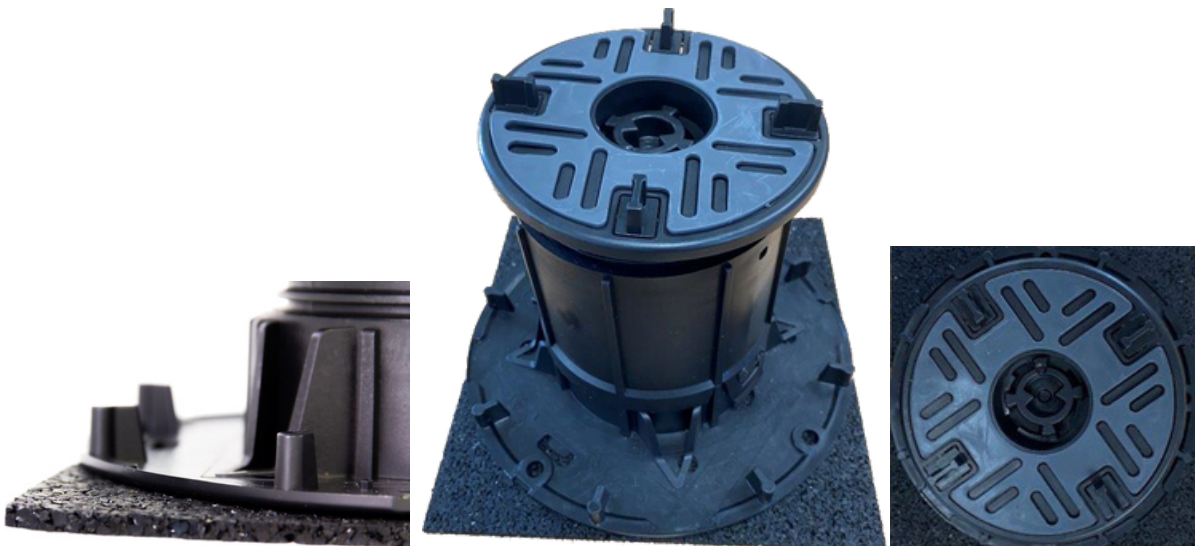




Operations & Maintenance Manual

Rubber Crumb 5mm Acoustic Pad



Wallbarn Ltd
Unit 16 Capital Business Centre
22 Carlton Road, South Croydon. CR2 0BS

IMS.T.960.v2

Phone : 0208 916 2222 Email : sales@wallbarn.com Website : www.wallbarn.com



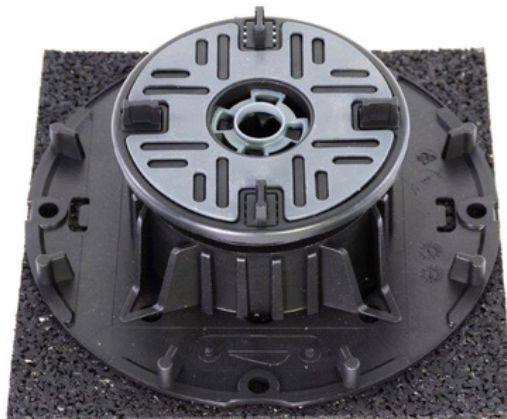
PRODUCT DESCRIPTION

Wallbarn's 5mm Rubber Crumb Acoustic Pad is designed to provide acoustic insulation against vibrations generated by walking and human activities on raised floors. These vibrations can be transmitted to the underlying floor through our supports. To counter this, the acoustic pad is placed between the pedestal base and its support surface.

The acoustic pad is an ecological membrane that effectively mitigates impact sound noises. It is crafted from a 750 kg/m³ density mat comprising natural and synthetic elastomeric compounds, some of which are sourced from the recycling of ELT (end of life tyres). These components are securely bound using mass-polymerized polyurethanes, ensuring a durable and environmentally conscious solution for acoustic insulation.

FEATURES

- Excellent mechanical protection of the waterproofing membrane.
- Easy to install with no bonding required.
- Immediately trafficable after installation.
- Excellent mechanical resistance to the impact by blunt materials.
- Strong resistance to abrasion and tearing.
- Rot-proof, resistant against mold and moisture.
- Eco-friendly because it is made with recycled rubber.
- Cost effective, thanks to its ease of installation.
- Protects from compression and point loading from the paving or decking system and associated pedestrian traffic.
- Reduces surface noise to deck or patio



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TECHNICAL DATA

Acoustic Performances

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Apparent dynamic rigidity	(s't)	MN/m ³	53	UNI EN 29052-1	Cert.n° AE-107005-MG- B
Resonance frequency	(f0)	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	(Ln,w)	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 ² KW	0,042	UNI EN 12667:2002	Cert.n° 050-09-the TR
Thermal transmittance	(U)	W/m ² 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 ³	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

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INSTALLATION

The Rubber crumb pad sits between the sub-deck and the baseplates of our pedestals for protection and acoustic insulation.

The permeable pad is loose laid onto the deck surface beneath to protect it from compression and point loading from the paving or decking system and associated pedestrian traffic.

*** If you are planning to use Rubber Crumb, always seek the advice of the waterproofing membrane manufacturer for compatibility with the waterproofing membrane and also for the best method to cover / bond the protection to the membrane.**

MAINTENANCE DETAILS

When used with our Pedestals, they are loosely laid without bonding. So if maintenance is required, they can be taken up and placed back afterwards.

HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008[CLP]: Not applicable to articles

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Label Elements : Labelling according to Regulation (EC) No. 1272/2008[CLP] : No labelling applicable.

Other Hazards : Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Composition/Information on Ingredients : The product is a membrane made of a mat made up of natural and synthetic elastomeric compounds bound by mass-polymerized polyurethanes.

FIRST AID MEASURES

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.



FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide(CO₂)

Hazardous decomposition products in case of fire: Toxic fumes may be released.

Protective equipment for firefighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

HANDLING & STORAGE

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage conditions : Store in a well-ventilated place. Keep cool.

Incompatible materials : None known.

Exposure Controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protection equipment

Eye protection : Where excessive dust may result, wear goggles. EN 166

Skin protection: Wear suitable protective clothing

Hand protection: In case of repeated or prolonged exposure : Wear protective gloves. Breakthrough time : > 480 min. Layer thickness : > 0,11 mm. EN 374

Respiratory protection: Dust formation: dust mask. In case of insufficient ventilation, wear suitable respiratory equipment (EN 136/140/145)

Thermal hazards : No additional information available

Environmental exposure controls : Avoid release to the environment.



PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	Black with brown granules.
Odour :	Odourless.
Odour threshold:	Not determined
Melting point:	Not determined
Freezing point:	Not determined
Boiling point:	Not determined
Flammability:	Non flammable.
Explosive limits:	Not applicable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	> 250 °C
Decomposition temperature:	> 250 °C
pH:	Not applicable
pH solution:	Not determined
Viscosity, kinematic :	Not applicable
Solubility:	Insoluble in water.
Partition coefficient n-octanol/water (Log Kow):	Not determined
Vapour pressure:	Not determined
Vapour pressure at 50°C:	Not determined
Density:	< 1 g/cm ³
Relative density:	Not determined
Relative vapour density at 20°C:	Not applicable
Particle size:	Not determined
Particle size distribution:	Not determined
Particle shape:	Not determined
Particle aspect ratio :	Not determined
Particle aggregation state:	Not determined
Particle agglomeration state:	Not determined
Particle specific surface area:	Not determined
Particle dustiness:	Not determined
Physical state:	Solid



STABILITY & REACTIVITY

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability : Stable under normal conditions.

Possibility of hazardous Reaction : No dangerous reactions known under normal conditions of use.

Conditions to avoid : None under recommended storage and handling conditions (see section 7).

Incompatible materials : Strong oxidizing agents.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

TOXICOLOGY INFORMATION

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
pH	: Not applicable
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: Not applicable
Information on other hazards	: No additional information available



ECOLOGICAL INFORMATION

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term(chronic) : Not classified

Persistence and degradability : Not biodegradable.

Bioaccumulative potential : Not determined.

Mobility in soil : Not determined

Endocrine disrupting Properties : No additional information available

Other adverse effects : No additional information available

**Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH AnnexXIII

WASTE TREATMENT METHODS

Dispose of contents/container in accordance with licensed collector's sorting instructions.

EU-Regulations REACH Candidate List (SVHC) : Contains no substance(s) listed on the REACH Candidate List

Chemical safety assessment : No chemical safety assessment has been carried out

**A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

TRANSPORT INFORMATION

Classification for conveyance: - None required.



WARRANTIES

A limited warranty exists that the products will comply with the test data as laid out earlier in document. Warranty is limited to replacement of products which have been installed in the correct manner and for the correct purpose only. Warranty is limited to the value of the cost price of the materials only, not replacement costs or any other labour cost.

KEY CONTACTS

Wallbarn Ltd.

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Email: sales@wallbarn.com

Web: www.wallbarn.com

APPENDIX A:

The following table summarizes the documents and URLs referenced in this document:

Digital Information	Location
Acoustic Pad website URL	https://www.wallbarn.com/pedestals-2/pedestal-accessories/rubber-crumb-acoustic-pad/
Wallbarn Ltd Terms & Conditions	https://www.wallbarn.com/terms-conditions-of-supply/

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APPENDIX B:

LIMITED WARRANTY

Wallbarn Ltd provides a limited warranty of 15 years for products. This Warranty corresponds to the performance and strength characteristics given in the published technical datasheets.

Wallbarn Ltd warrants that, under normal use and service conditions, and where the products have been installed in the proper manner, Wallbarn Ltd products shall be free from material defects in workmanship and materials, shall not crack, splinter, swell, rot or suffer structural damage from damp or fungal decay.

If a defect occurs within the Warranty Period, the Purchaser shall notify Wallbarn Ltd in writing and, after investigation and confirmation of the defect(s) by a Wallbarn Ltd representative, Wallbarn Ltd's sole responsibility shall be limited to replacement of the affected products or to refund the Purchaser up to the maximum value of the Sales Invoice.

This warranty is null and void if:

- The products are not installed in the proper manner as detailed in official Wallbarn Ltd product catalogues, installation guides and technical datasheets.
- The products are not used for the purposes they are intended, as detailed in official Wallbarn Ltd product catalogues, installation guides and technical datasheets.
- Excessive weights, higher than the maximum weight as detailed in official Wallbarn Ltd product catalogues, installation guides and technical datasheets are placed onto the products.
- The products are installed in contravention of any relevant building regulations, code or standards.
- Any relevant building regulations, code or standards, including fire safety regulations are breached on the project during the construction process.
- There is movement, distortion, collapse or settling of the supporting structure on which Wallbarn Ltd products are installed.
- Any abnormal natural event such as flooding, hurricane, earthquake, lightning, etc., occurs.



Wallbarn Ltd – Limited Warranty

This limited warranty does not cover any living product or any product which sustains life. This includes sedum and other plants and substrate mixes for M-Tray® and any other green roof system. The living and growing elements of M-Tray® and other green roof systems are specifically excluded from this Warranty.

This Warranty is limited to the maximum amount of the Sales Invoice and Wallbarn Ltd is not liable for any costs of examination, removal or installation of products. Wallbarn Ltd will not be responsible for any costs or expenses incurred during removal and replacement, including labour or transport costs.

This warranty is given only if the products are used for the purposes they are intended, as detailed in official Wallbarn Ltd product catalogues, installation guides and technical datasheets and are installed in the correct manner.

To make a claim under this Limited Warranty, the Purchaser should contact Wallbarn Ltd with a full report of the defects within the Warranty Period, including photographic evidence and proof of purchase. Any claim should be made to sales@wallbarn.com as soon as possible by the Purchaser.

Our Terms & Conditions of Supply can be found here
<https://www.wallbarn.com/terms-conditions-of-supply/>