



WALLBARN PROTECTO-MATT RUBBER CRUMB

ELASTIC HIGH DENSITY RESILIENT CARPET IN PRESSED AND VULCANISED GRANULAR RUBBER

Ecological carpet to protect both synthetic and bituminous waterproofing membranes from damages caused by blunt materials, backfilling or any concrete castings.

WALLBARN RUBBER PROTECTO-MATT drastically reduces the risk of perforation of the membrane both during the phase of completion of the roofing and afterwards when the work is completed ensuring its longevity.

WALLBARN RUBBER PROTECTO-MATT is a mat of 950 kg/m³ density made up of natural and synthetic elastomeric compounds, also coming from the recovery of PFU (out of used tyres), bound by polyurethanes polymerized in mass.

ADVANTAGES

- Excellent mechanical protection of the waterproofing membrane
- Easy to install
- Immediately trafficable after installation
- Excellent mechanical resistance to the impact by blunt materials
- High dimensional stability in the presence of permanent loads (driveway roofs and floors, green roofs, foundations)
- 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

PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.						NORMS	TOLE-RANCES
Rubber thickness	mm	2	3	4	5	6	EN 13849-1	± 10%
Rubber density	Kg/m ³	950						± 7%
Elongation at break	%	35					EN ISO 1798	± 5%
Tensile strength	N/mm ²	0.9					EN ISO 1798	± 2%
Static punching *	Kg	30	30	35	40	45	EN 12730 met B	min
Dynamic punching *	mm	≥2250	≥2250	≥2250	≥2250	≥2500	EN 12691 met. A	min
Heat resistance (prolonged period)	°C	Up to + 90						-
Heat resistance (compromised point)	°C	+130						
Heat resistance (disintegration point)	°C	+160						
Ignition Point	°C	+300						-
Cold resistance (prolonged period)	°C	Up to -30						
Cold resistance (compromised point)	°C	-120						
Fire rating		B2					DIN 4102	-
SHORE A hardness		50						± 10%

* No drilling



THERMAL PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	W/mK	0,1226	UNI EN 12667:2002	Cert.n° 078-09-the TR

CHEMICAL PERFORMANCES

CHARACTERISTIC	PERFORMANCES
Resistance to microbes	Resistant to fungi, insects and microbes attacks
Chemical interactions	Highly resistant to acids and alkaline detergents, rot-proof
Electrostatics	Does not accumulate static charge and prevent interaction between materials
Eco-sustainability	100 % recyclable

INSTALLATION

WALLBARN RUBBER PROTECTO-MATT is excellent at protecting waterproofing membranes. Due to its ductility it can be used on horizontal or curved surfaces and cut to be adapted to any construction detail. It is ideal for the horizontal and vertical protection of underground waterproofing such as ditches and foundations.

It is indispensable in case of green and trafficable roofs, inverted roofs, parking areas, walkways, for maintenance works and artificial tunnels.

It is also useful as anti-vibration protection under machinery to be installed on the roof, such as compressors and generators.

HORIZONTALLY

WALLBARN RUBBER PROTECTO-MATT is applied to protect the bituminous membrane simply by laying the rolls near to each other and overlapping them by 8 cm if necessary, taking care not to leave spaces between them. The next layers will ensure the anchorage of WALLBARN RUBBER PROTECTO-MATT.

VERTICALLY

(bituminous membranes only)

Torch the bituminous membrane already applied as waterproofing of the foundation and apply WALLBARN RUBBER PROTECTO-MATT homogeneously, taking care to make it adhere in each point by pressing properly. Repeat with the next roll laying it next to the previous one so that there are no gaps between the panels. A slight overlap is tolerated (max 1 cm.). For a better installation it is recommended to lay the roll of WALLBARN RUBBER PROTECTO-MATT starting from the top downwards



DIMENSIONS AND PACKAGING

	M.U.	VALUE					TOLE-RANCES
Thickness	mm	2	3	4	5	6	± 10%
Roll height	m	1	1	1	1	1	± 2%
Roll length **	m	18	15	12	10	8	± 1%
Weight per m ²	Kg/m ²	1,9	2,25	3	3,75	4,5	± 7%
Number of rolls per pallet	pcs	16	16	16	16	16	
Total area per pallet	m ²	288	240	192	160	128	
Pallet dimension	cm	100x120x100+10					

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WALLBARN RUBBER PROTECTION SHEET MATERIAL SAFETY DATA SHEET

1. COMPOSITION OF THE PRODUCT

1.1 Description: High density, pressed and vulcanised granular rubber matt, consisting of mixtures of natural rubber and synthetic rubber from the recovery of the P.F.U. (ELTs) related polyurethanes polymerised in mass.

The main components are:

- Rubber granulate from recycled tyres
- Polyurethane prepolymer binder

2. HAZARD IDENTIFICATION

2.1 The product's components do not present a hazard under normal circumstances. Avoid exposure to temperatures > 130 ° C and continued contact with open flames.

3. FIRST AID

3.1 After contact with skin or eyes, no special measures required.

3.2 In case of fire: if combustion gases are inhaled, move affected person to fresh air, if required, perform artificial respiration.

3.3 Call a doctor.

4. FIRE FIGHTING MEASURES

4.1 Firefighting materials to be used: water, foam.

In the event of smoke, wear appropriate respiratory protection in enclosed spaces.

Avoid the inhalation of smoke and combustion gases.

5. ACCIDENTAL RELEASE MEASURES

5.1 Not applicable

6. HANDLING AND STORAGE

6.1 Handling: There are no specific requirements for the handling of the product.

6.2 Storage: This material should be stored with care and common sense. Adequate spaces between the rows of pallets must be provided for the purposes of safe handling.

7. PERSONAL PROTECTION - EXPOSURE CONTROLS

7.1 Respiratory protection: In case of storage at higher temperatures without ventilation, as a preventive measure, use suitable breathing appliances against powders or fumes.

7.2 Protection of hands: Use protective gloves when cutting.

7.3 Eye protection: Use appropriate protective glasses when cutting.

7.4 Protection of the body: Use protective clothes and shoes during production and application.

8. PHYSICAL AND CHEMICAL PROPERTIES

- 8.1 Appearance: consistent semi-rigid sheets of 100cm wide, length max. 1500cm and various thicknesses.
- 8.2 Odour: odourless.
- 8.3 Danger of explosion: none.
- 8.4 Density 950 kg/m³ (± 3%)
- 8.5 Heat resistance: up to + 130 ° C for a short period.
- 8.6 Resistance to cold: up to - 120 ° C
- 8.7 decomposition temperature:> 160 ° C
- 8.8 Auto Ignition:> 300 ° C
- 8.9 Flash point:> 400 ° C
- 8.10 Strength Fire Rating : B2 according to DIN 4102
- 8.11 Solubility: insoluble in water, slightly solvent in organic solvents.

9. STABILITY AND REACTIVITY

- 9.1 Conditions to avoid: Exposure to temperatures> 130 ° C and continued contact with open flames.

10. TOXICOLOGICAL INFORMATION

- 10.1 The material is considered to be toxicologically inert.

11. ECOLOGICAL INFORMATION

- 11.1 The material is devoid of any environmental impact and does not contain substances that damage the ozone layer. The material does not contain and is not produced by the substances listed in Montreal Protocol, as substances that damage the ozone layer, and the corresponding directives EEC 594/91, 3952/92, 93 / C 232/07.

12. DISPOSAL

- 12.1 The product is fully recyclable.

13. TRANSPORT INFORMATION

- 13.1 Limitations: No limitations regarding transportation.

14. REGULATORY INFORMATION

- 14.1 Provisions: no provision concerning the packaging, identification and the classification, or concerning health and the environment.

The above mentioned data correspond to our present state of knowledge and our experiences. The above information only provides guidance on health, safety and environmental aspects of the product. As the specific conditions of use of the product are outside the supplier's control, the user has the responsibility to ensure that the requirements of the current legislation are observed.