



# Wallbarn - Technical Datasheet

## WALLBARN PROTECTO-MAT RUBBER CRUMB



### PRODUCT DESCRIPTION

WALLBARN RUBBER PROTECTO-MATT is an ecological carpet specifically designed to provide temporary or permanent protection for synthetic and bituminous waterproofing membranes. It acts as a barrier against potential damage caused by blunt materials, backfilling, or concrete castings.

This product offers several benefits, including water permeability, reusability, and full recyclability. It can be conveniently placed beneath rooftop planters and equipment to prevent damage, minimize acoustic transmission, and offer anti-vibration properties.

By using WALLBARN RUBBER PROTECTO-MATT, the risk of membrane perforation during roofing completion and subsequent activities is significantly reduced. This ensures the longevity of the membrane, providing added peace of mind.

The mat is composed of natural and synthetic elastomeric compounds with a density of 950 kg/m<sup>3</sup>. It incorporates polyurethanes polymerized in mass, which bind the materials together. Furthermore, WALLBARN RUBBER PROTECTO-MATT contributes to sustainability efforts by utilizing recovered materials, specifically from used tires (PFU).

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## TECHNICAL DATA

DESCRIPTION	MEASURING UNITS						NORMS	TOLERANCES	
	mm	2	3	4	5	6			
Rubber thickness	mm	2	3	4	5	6	EN 13849-1	± 10%	
Rubber density	Kg/m <sup>3</sup>	950							± 7%
Elongation at break	%	35						EN ISO 1798	± 5%
Tensile strength	N/mm <sup>2</sup>	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 2667:2002	Cert.n° 078-09-the TR



## CHEMICAL PERFORMANCES

CHARACTERISTIC	PERFORMANCE
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



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