

# RUBBERVAL 750

## HIGH DENSITY ELASTIC-RESILIENT MAT MADE OF PRESSED AND VULCANIZED GRANULAR RUBBER



Ecological mat to protect both synthetic and bituminous waterproofing membranes from damage caused by blunt objects, landfills or any concrete casting. RUBBERVAL 750 drastically reduces the risk of membrane perforation, both during the phase of completion of the roofing/covering and afterwards when the work is completed, ensuring its durability.

RUBBERVAL is a 750 kg/m<sup>3</sup> density mat made up of natural and synthetic elastomeric compounds, also coming from the recycling of ELTs (end of life tyres), bound by mass-polymerized polyurethanes.

### ADVANTAGES

- Excellent mechanical protection of waterproofing membranes.
- Easy to install.
- Immediately walkable after application.
- Excellent mechanical resistance to impact from blunt objects.
- Very high inalterability in presence of permanent loads (walkable roofs and floors, green roofs, foundation castings).
- Strong resistance to abrasions and tearing.
- Rot-proof, resistant to mould and dampness.
- Eco-friendly because made of recycled rubber.
- Low-cost thanks to its extreme ease of application.

### PHYSICAL-MECHANICAL PERFORMANCE

DESCRIPTION	U.M.	VALUES			REFERENCE STANDARDS	TOLERANCE
Rubber thickness	mm	6	8	10		± 10%
Rubber density	Kg/m <sup>3</sup>	750				± 7%
Elongation at break	%	35			EN ISO 12311-1	± 10%
Tensile strength	N/mm <sup>2</sup>	0.3			EN ISO 12311-1	± 10%
Resistance to static loading *	Kg	40	45	50	EN 12730 method B	min
Resistance to impact*	mm	≥225	≥2250	≥2500	EN 12691 method A	min
Heat resistance	°C	Up to + 80				-
Cold resistance	°C	Up to -30				-
Reaction to fire classification	Class	E			EN 13501-1	-
SHORE A hardness		40			EN ISO 868	± 10%
Compressive strength	MPa	σ 10% 0.14 σ 25% 0.50			UNI EN ISO 844	-
Elastic modulus 10 ÷ 25 %	MPa	2.4	2.7	3.6	UNI EN ISO 844	

\*Does not puncture.

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### THERMAL PERFORMANCE

DESCRIPTION	SYMBOL	U.M.	VALUE	REFERENCE STANDARDS	NOTES
Thermal conductivity	(λ)	W/mK	0.1226	UNI EN 12667:2002	Cert.n° 078-09-the TR

### CHEMICAL PERFORMANCE

CHARACTERISTICS	PERFORMANCE
Chemical interaction	Highly resistant to acids and alkaline detergents, rot-proof
Electrostatics	Does not accumulate static charge and prevents interaction between materials
Eco-sustainability	100% recyclable

### APPLICATION

RUBBERVAL 750 is an excellent system for protecting waterproofing membranes. Because of its adaptability it can be used on horizontal or curved surfaces and can be cut to suit all constructional elements. It is ideal for the horizontal and vertical protection of underground waterproofing such as drain channels and foundations. It is indispensable for creating green roofs, walkable roofs, inverted roofs, car parks, walkways for maintenance and for protecting artificial tunnels. It is useful as a vibration damper under machinery that has to be installed on roofs/coverings, such as compressors and generators.

#### Horizontally

RUBBERVAL 750 is applied to protect waterproofing membranes by simply laying the various rolls next to each other with an overlap of approx. 8cm taking care not to leave any gaps between the different strips. Applying subsequent layered elements will ensure that RUBBERVAL 750 is well anchored.

#### Vertically (only for bituminous membranes)

Use a torch to temper the bituminous membrane that waterproofs the base and then apply RUBBERVAL 750 uniformly, making sure it adheres at all points by applying suitable pressure. Repeat the operation with the next roll laying it up against the previous one so that there are no gaps between one and another, a slight overlap of a maximum of 1cm is permitted. For best application, the roll of RUBBERVAL 750 should be applied starting at the top and working downwards.

The material must not be left exposed to UV rays for prolonged periods unless treated with a special protective paint.

### DIMENSIONS AND PACKAGING

SIZE	M.U.	VALUES			TOLERANCE
Thickness	mm	6	8	10	± 10%
Roll height	m	1.25	1.25	1.25	± 2%
Roll length **	m	10	8	6	± 1%
Weight / m <sup>2</sup>	Kg/m <sup>2</sup>	4.5	6,0	7.5	± 7%
Rolls / pallets	pcs.	11	11	11	
Total surface area per pallet	m <sup>2</sup>	137.5	110	82.5	
Pallet dimension	cm	120x90 (EUROPALLET)			

\*\* For vertical application, lengths on request

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