

RUBBERVAL 950

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 950 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 950 kg/m³ 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

DESCRIZIONE	U.D.M.	VALORE					RIFERIMENTI NORMATIVI	TOLLERANZE
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	± 10%
Tensile strength	N/mm ²	0.9					EN ISO 1798	± 10%
Resistance to static loading *	Kg	30	30	35	40	45	EN 12730 met B	min
Resistance to impact*	mm	≥2500					EN 12691 met. A	min
Heat resistance	°C	Fino a + 80						-
Cold resistance	°C	Fino a -30						-
Reaction to fire classification	Classe	E					EN 13501-1	-
SHORE A hardness		50					EN ISO 868	± 10%
Compressive strength	N/mm ²	0.9					UNI EN 12225	-
Rubber thickness	MPa	δ 10% 0,22 δ 25% 1,22					UNI EN ISO 844	-
Elastic modulus for the 6 mm 10 ± 25 %	MPa	6,7					UNI EN ISO 844	

*Does not puncture.

1)DATA REFERRING FOR 6 mm

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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 950 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 950 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 950 is well anchored.

Vertically (only for bituminous membranes)

Use a torch to temper the bituminous membrane that waterproofs the base and then apply RUBBERVAL 950 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 950 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

GRANDEZZA	U.D.M.	VALORE					TOLLERANZE
Thickness	mm	2	3	4	5	6	± 10%
Roll height	m	1	1	1	1	1	± 2%
Roll length **	m	20	15	12	10	8	± 1%
Weight / m ²	Kg/m ²	1,9	2,85	3,8	4,75	5,7	± 7%
Rolls / pallets	pz	16	16	16	16	16	
Total surface area per pallet	m ²	320	240	192	160	128	
Pallet dimension	cm	100x120x100+10					

** For vertical application, lengths on request

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