



# URDIN MAT



# SINTEC

*your waterproofing partner*

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## DESCRIPTION

URDIN MAT is a flexible PVC-P membrane dimensionally stabilized with a glass fiber mesh. Not compatible with asphalt. UV resistant. Manufactured under EN 13956 Standards.

## USE

URDIN MAT is suitable for roof waterproofing, ballasted with fixed and mobile ballast (pedestrian roofing, non-accessible roofing, green roofs and roof gardens), or in vertical finishing and junction bands.

## PROPERTIES

- Extremely long-lasting.
- High level of waterproofing even under permanent deformation.
- Highly puncture resistant.
- Root resistant according to EN 13948.
- Excellent stability under UV radiation.
- Excellent dimensional stability.
- Excellent mechanical properties.
- Easily welded using hot air, even several years after installation.
- Can be recycled.
- Excellent flexibility at low temperatures.

## INSTALLATION

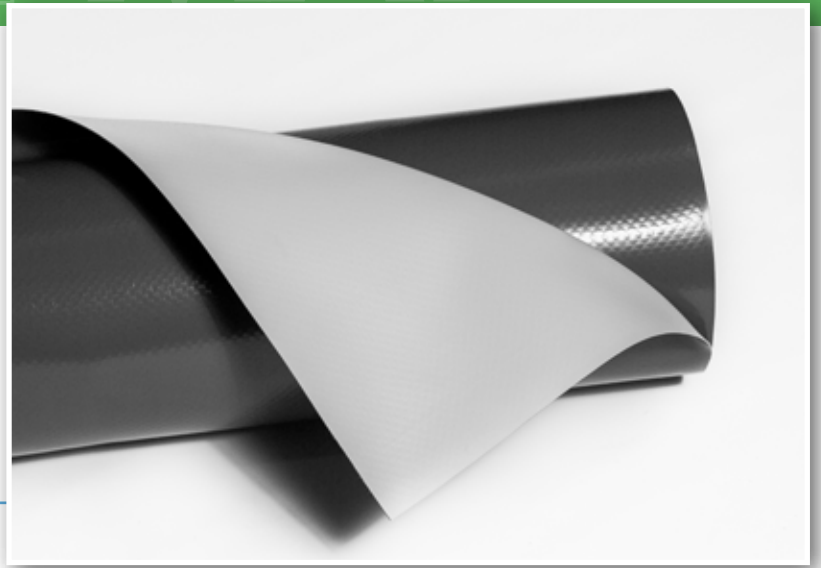
- URDIN MAT waterproofing systems must be installed by experienced and qualified personnel.
- Surfaces must be clean and dry and free from sharp obtrusions. The membrane can be used on bitumen, asphalt, oil and tar surfaces and polyurethane and polystyrene isolation by using a suitable geotextile as a separating layer.
- Membrane joints should be made using a hot air welder and should be checked by running a flat headed punch along the whole of the seam.
- Before starting welding adjust the parameters for speed and temperature according to the ambient conditions and the surfaces of the membrane.

## PACKAGING AND STORAGE

Colour	Light Grey / Dark Grey
Dimensions	2,10 / 1,60 x 20m
Rolls / pallet	17 / 23 / 18, depending on width and thickness
Storage	Horizontally and in parallel (never crossed)

Supplied in rolls on cardboard tubing.  
Store in the original packaging in a dry and cool place.

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CHARACTERISTICS	NORMS	UNITS	VALUES			
Thickness (-5%/+10%)	EN 1849-2	mm	1,2	1,5	1,8	2,0
Weight (-5%/+10%)	EN 1849-2	kg	1,50	1,80	2,15	2,40
Dimensional Stability	EN 1107-2	%	≤ 0,1			
Tensile Strength	EN 12311-2 (B)	N/mm <sup>2</sup>	L, T ≥ 9			
Elongation	EN 12311-2 (B)	%	L, T ≥ 200			
Tear Strength	EN 12310-2	N	≥ 110	≥ 135	≥ 160	≥ 170
Tear Strength	EN 12310-1	N	L ≥ 400, T ≥ 300			
Foldability at low temperature	EN 495-5	°C	≤ -25			
Joint Peel Strength	EN 12316-2	N/50mm	L,T ≥ 200			
Joint Shear Strength	EN 12317-2	N/50mm	> 430	> 540	> 640	> 720
Hydrostatic Pressure Resistance, 6h at 0,5 MPa	EN 1928 (B)	-	waterproof			
Resistance to Static Punching	EN 12730	Kg	≥ 20			
Rection to Fire	EN 13501-1	-	E			
Impact Resistance	EN 12691 (A)	mm	≥ 450	≥ 800	≥ 900	≥ 1250
Exposure to UV radiation, elevated temperature and water (5000h)	EN 1297	-	Resistant, grade 0			
Root Resistance	EN 13948	-	No penetration			