



# URDIN MAT FB



# SINTEC

*your waterproofing partner*

P.I. Jundiz, C/Arroxeta, P3-4C  
01015 – Vitoria (SPAIN)  
Tfn: (+34) 945 244 762  
Fax: (+34) 945 200 456  
info@sintecproof.com  
www.sintecproof.com

## DESCRIPTION

URDIN MAT FB is a flexible PVC-P membrane dimensionally stabilized with a glass fiber mesh and coupled on the back sheet with a 200 gr. non-woven polyester mesh. Bitumen resistant. UV resistant. Manufactured under EN 13956 Standards.

## USE

URDIN MAT FB is suitable for roof waterproofing, totally adhered on horizontal surfaces on insulation panels, concrete ceilings or on existing waterproofing coverings.

## PROPERTIES

- Membrane made exclusively from virgin resins.
- Extremely long-lasting.
- High level of waterproofing even under permanent deformation.
- Highly puncture resistant.
- Bitumen 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 FB 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.
- Membrane joins 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	1,65 x 20m
Rolls / pallet	16/12, depending on the 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			
PVC membrane Thickness (-5%/+10%)	EN 1849-2	mm	1,2	1,5	1,8	2,0
Weight (-5%/+10%)	EN 1849-2	kg	1,70	2,00	2,35	2,60
Dimensional Stability	EN 1107-2	%	≤ 0,1			
Tensile Strength	EN 12311-2	N/50mm	≥ 650	≥ 700	≥ 800	≥ 900
Elongation	EN 12311-2	%	L, T ≥ 80			
Tear Strength	EN 12310-2	N	≥ 150	≥ 170	≥ 180	≥ 200
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	> 520	> 560	> 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			