



URTOP MAT FB



SINTEC

your waterproofing partner

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DESCRIPTION

URTOP MAT FB is a synthetic waterproof sheet whose composition is based on a thermoplastic polyolefin (TPO) product of advanced polymerization process, dimensionally stabilized with a glass fiber mesh and coupled on the back sheet with a 200gr non-woven polyester mesh. Bitumen resistant. UV resistant. Manufactured under EN 13956 Standards.

USE

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

PROPERTIES

- Extremely long-lasting.
- Bitumen resistant.
- High tear resistance and tensile strength.
- Excellent puncture resistance, ageing and putrescibility.
- Without protection, high resistance to UV rays.
- Root Resistant, according to EN 13948.
- Manufactured without plasticizers, no material migration.
- Environmentally friendly, as contains no chlorides.
- Excellent thermal and dimensional stability.
- High chemical resistance.
- Perfectly weldable with hot air, resulting in a continuous, waterproof surface.

INSTALLATION

- URTOP MAT FB waterproofing systems must be installed by experienced and qualified personnel.
- Surfaces must be clean and dry and free from sharp obtrusions, avoiding the installation under high humidity conditions.
- 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	2,10 x 20m
Rolls / pallet	12
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	1,35	1,70	2,00	2,15
Dimensional Stability	EN 1107-2	%	≤ 0,1			
Tensile Strength	EN 12311-2	N/50mm	> 550	> 650	> 800	> 850
Elongation	EN 12311-2	%	L, T ≥ 350			
Tear Strength	EN 12310-2	N	≥ 200	≥ 250	≥ 300	≥ 340
Foldability at low temperature	EN 495-5	°C	≤ -40			
Joint Peel Strength	EN 12316-2	N/50mm	L,T ≥ 200			
Joint Shear Strength	EN 12317-2	N/50mm	> 325	> 400	> 490	> 540
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			