



URTOP MAT



SINTEC

your waterproofing partner

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DESCRIPTION

URTOP MAT 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. UV resistant. Manufactured under EN 13956 Standards.

USE

URTOP 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 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.
- Compatible with old bitumen.
- 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 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.

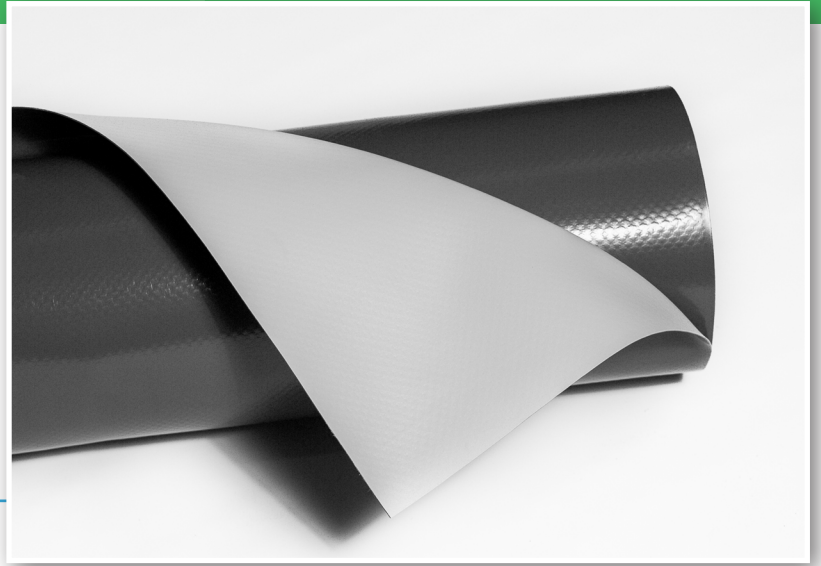
PACKAGING AND STORAGE

Colour	Light Grey / Dark Grey
Dimensions	2,10 x 20m
Rolls / pallet	23 / 18, depending on 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	1,15	1,40	1,68	1,85
Dimensional Stability	EN 1107-2	%	≤ 0,1			
Tensile Strength	EN 12311-2 (B)	N/mm ²	L, T ≥ 9			
Elongation	EN 12311-2 (B)	%	L, T ≥ 550			
Tear Strength	EN 12310-2	N	≥ 130	≥ 165	≥ 195	≥ 220
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			