



**URDIN
AP**



SINTEC

your waterproofing partner

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DESCRIPTION

URDIN AP is a non reinforced polyvinyl chloride (PVC-P) membrane. Not compatible with asphalt. UV resistant. Product manufactured according to EN 13967. Material suitable for the storage of drinking water.

USE

Suitable for drinkable water small lakes in residential buildings, reservoirs and canals. Waterproofing of roofs, being placed independently and with protection. Watertightness of buried structures.

To protect the environment, used as a barrier protecting the land in the case of liquid waste, whether in the form of landfill, transfer or secondary containment.

Also it is used as environmental protection in case of storage or landfill of solid materials.

PROPERTIES

- Membrane made exclusively from virgin resins.
- Suitable for the storage of drinking water.
- Extremely long-lasting.
- High level of waterproofing even under permanent deformation.
- Highly puncture resistant.
- Root resistant according to CEN/TS 14416.
- 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

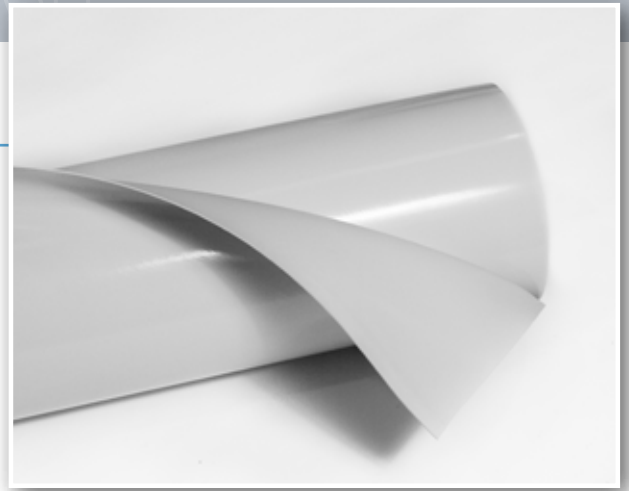
INSTALLATION

- The installation of URDIN AP must be performed by experienced personnel and approved installers to ensure proper installation and protection of the sheet from damage. Material handling and extension can be performed at temperatures of 0 ° C, and recommend applying the material to a temperature of + 10 ° C.
- The surface must be dry, clean and free of sharp objects. The membrane can be used on bitumen, asphalt, oil and tar or polyurethane insulation and polystyrene, requiring a suitable geotextile as a separating layer. This geotextile should also be extended if waterproofing protection with the application of a layer of concrete, or simply as temporary protection (ballasted) for the work.
- The junction between membranes is made by hot air welding, and must be verified by a metal rod that moves along the entire overlap. Weldability and weld quality are influenced by atmospheric conditions (temperature, humidity), welding conditions (temperature, velocity, pressure, cleanliness) and the surface state of the membrane (cleanliness, humidity). Therefore the correct assembling must be set in the machine.

PACKAGING AND STORAGE

Colour	Grey
Dimensions	2,0 x 20m (40 m ² /roll)
Rolls / pallet	18
Storage	Horizontally and in parallel (never crossed)

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



URDIN AP

CHARACTERISTICS	NORMS	UNITS	VALUES		
Thickness	EN 1850-2	mm	1,2 (±0,1)	1,5 (±0,15)	2,0 (±0,15)
Straightness	EN 1848-2	mm		≤ 50	
Tensile Strength	EN 12311-2 (A)	N/50mm	≥ 720	≥ 820	≥ 1000
Elongation	EN 12311-2 (A)	%		≥300	
Joint Strength	EN 12317-2	N/50mm	≥ 550	≥ 650	≥ 860
Tear Strength	EN 12310-1	N	≥ 200	≥ 240	≥ 320
Resistance to static load	EN 12730 (B)	Kg		20	
Water tightness to liquid water, 400 kPa	EN 1928 (B)	-		Meets	
Resistance to impact	EN 12691-A	mm		≥ 600	
	EN 12691-B	mm		≥ 1750	
Durability of watertightness against artificial ageing	EN 1296 EN 1928	-		60 KPa	
Durability of watertightness against chemicals, (Ca(OH) ₂ ; 10% NaCl)	EN 1847 EN 1928	-		60 KPa	
Water vapour properties	EN 1931	μ		31000 ± 6000	
Resistance to roots	CEN/TS 14416	-		Meets	
Reaction to fire	EN 13501-1	-		E	