

Since 1985

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Insuwrap

Insuwrap PVC 1600 LNTR

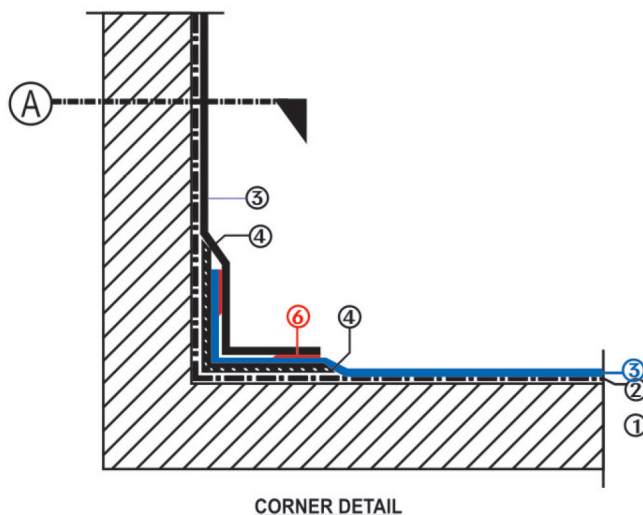
Product Description :

Insuwrap PVC 1600 LNTR is a non-toxic calendered high polymer waterproofing membrane. The membrane is produced to the highest International standards offering high physical properties and long term durability.

Insuwrap PVC 1600 LNTR is produced using the best raw materials produced by SABIC.

Field of application

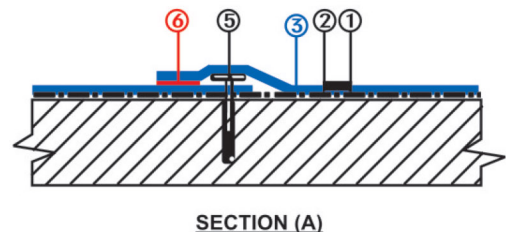
* Inside Lining of Drinking Water Tanks.



Method of Application

Insuwrap PVC waterproofing membranes are laid over the cleaned smooth surface with 5 cm. overlapping between rolls welded together typically using hot air gun & fixed mechanically to the vertical wall of the tank according to the following details.

- ① - R.C.C. WATER TANK SHELL
- ② - PROTECTION LAYER (OPTIONAL)
- ③ - INSUWRAP PVC (1600 LNTR) NON - TOXIC LINER
- ④ - (50x50mm) PVC COATED METAL ANGLE MECHANICALLY FIXED
- ⑤ - 30 mm Width) METAL STRIP MECHANICALLY FIXED
- ⑥ - HOT AIR WELDING



Outstanding Features :

- * Easy & fast application using hot air welding for joints.
- * Eliminates all problems of treating expansion joints.
- * Does not require special surface treatment for the concrete wall.
- * High resistance to algae formations.
- * Tested according to British Standard BS 6920 for Non-Toxicity.

Storage :

Rolls should be stacked horizontally and parallel to each other on a smooth surface, protected from direct sun rays.



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MATERIAL PROPERTIES

Test	Standard & Requirements ASTM D 4434	Results 1600 LNTR
Thickness (mm)		1.60
Mass (Kg/m ²)		2.10
Tensile Strength (N/mm ²)	Min 10.4 N/mm ²	> 17.00
Elongation at break	Min 250%	> 350%
Thermal stability (90°C - 6 hrs)	Change Less than 1%	< 0.1%
Tear strength (N)	8 N (Min)	> 100 N
Puncture resistance	Drop hammer 500 gms, no leak on falling from 300 mm	Passed on falling from 750 mm.
Water vapour defusion resistance (μ)	Less than 30,000	<22,000
Cold bend	No cracks at - 20°C	No cracks at - 30°C
Resistance to Algea formation		High Resistance
Fire class	DIN 4102	Class B2
Non - Toxicity	BS 6920	Passed

ROLL DIMENSIONS:

Roll length	20.0m
Roll width	2.10m
Weight / Roll(approx)	89.0 Kg

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