

Since 1985

انسوراب
Insuwrap

Insuwrap PVC L

PRODUCT DESCRIPTION :

Insuwrap PVC L is a calendered high polymer waterproofing membrane, The membrane is manufactured to the highest international standards offering high physical properties and long term durability. Insuwrap PVC L is produced using the best raw materials produced by SABIC.

FIELD OF APPLICATION

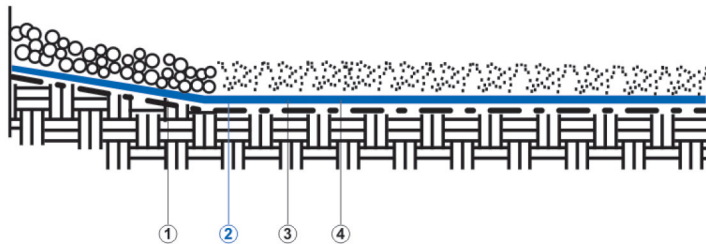
- Artificial lakes, Ponds, Irrigation Canals.
Covered use

METHOD OF APPLICATION

Insuwrap PVC Liners are laid over the smooth sub-grade surface or protection layer (if needed) with 5 cm. overlapping between rolls welded together typically using hot air gun.

Liner should be covered by soft sand for horizontal surface and sand, gravel for sloped surface.

For details, please refer to our installation guide.



- ① - GRAVEL OR SAND FOR POND COVERING
PROTECTIVE LAYER IF REQUIRED
- ② - (INSUWRAP) PVC LINER TYPE : (L)
- ③ - UNDER LAY (SOFT SAND OR SEPARATION LAYER)
- ④ - COMPACTED SUB BASE OR HARD
NATURAL SMOOTH SURFACE

COVERED POND LINER TYPE (L)

OUT STANDING FEATURES :

- * Easy & fast application using hot air welding for joints.
- * Remain flexible throughout its life span and could be easily joined to new material after installation
- * High resistance to acidic water and chemicals.
- * Resistant to high temperature fluctuations.
- * Resistance to algae, rot and burial effects.

STORAGE :

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



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MATERIAL PROPERTIES

Test	Standard & Requirements Din 16730	Results Insuwrap PVC L			
		800	1000	1200	1500
Thickness (mm)		0.80	1.00	1.20	1.50
Mass (Kg/M ²)		1.08	1.35	1.56	1.96
Tensile Strength (N/mm ²)	Min 15.0 N/mm ²	> 17.50	> 17.50	> 17.50	> 17.50
Elongation at Break (%)	Min 200%	> 320%	> 320%	> 320%	> 320%
Thermal stability (90°C-6 hrs)	Change Less than 2.0%	<1.2%	< 1.2%	< 1.0%	< 0.7%
Tear strength (N)	80 N (Min)	> 80N	> 90N	> 90N	> 95N
Puncture resistance	Drop hammer 500 gms, no leak on falling from 300 mm	Passed	Passed	Passed	Passed
Water vapour defusion resistance (μ)	Less than 30,000	< 28,000	< 24,000	< 22,000	< 22,000
Cold bend	No cracks at -20°C	No cracks at -20°C	No cracks at -25°C	No cracks at -25°C	No cracks at -30°C
Resistance to algae & rot		High resistance	High resistance	High resistance	High resistance
Roots penetration	No roots penetration	No penetration Growth dies off	No penetration Growth dies off	No penetration Growth dies off	No penetration Growth dies off

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