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GeoTech

PVC Based Geomembran



PVC Geomembran, is a geomembrane material produced from polyvinyl chloride and provides water tightness in foundations, roofs, ponds and tunnel projects.

It is produced as a chemical resistant, UV resistant or signal layer specially developed for applications in various projects.



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Fields of Application and Use

Joints can be combined by welding machine with minimum workmanship. Thanks to the welding machines produced with the latest technology and making single or double row welding; a safe and manageable insulation is possible.

Usage areas of PVC

- Building foundation and retaining concrete wall insulations
- Tunnel insulations
- Terrace and garden-terrace roofs
- Potable water tanks
- Water reservoirs
- Light metal roofsIrrigation channels
- Ponds
- Metro stations
- Railway, subway and highway tunnels projects

Packaging and Storage

The materials are shipped in rolls with a width of 1.6 to 2.1m. and a length of 20 to 25m.

The materials must be stored on a flat floor and indoors. The stored products must be kept away from direct sunlight, heat and ignition sources.

If PVC cover rolls must to be stored outdoors for a long time, they must be covered to protect against sunlight. Smoking must not be allowed in the storage area.

Advantages

- It has high tensile and elongation strength.
- It shows flexibility in cold, does not crack, does not break.
- It can be produced in a Single Layer – UV Resistant and Geotextile reinforcement upon a request.
- Since it is applied by the free-laying technique, it is affected by the vibrations that occur in the structures at a minimum level.
- It can be produced in different colors and sizes.
- It is long lasting.
- It has high resistance to chemical and mechanical effects.
- It has the plant root resistance.
- It has high resistance to external conditions with its UV resistant and carrier types.
- Visual inspection is possible for products with signal layer.
- It is applied safely, easily and quickly with special welding machines.
- The tightness of the joint can be checked with double row joint welding.

Technical Specifications

Thickness	1.2 - 1.5 - 2.0 - 2.5 - 3.0
Roll Width (m)	1.60 - 2.10
Roll Height (m)	20-25m
Elongation at Break (%)	≥ 250
Cold Bending	≤ -20 °C
Hydrostatic Pressure Strength	Waterproof
Root Strength	No Puncture