



GeoSeal

HDPE Based Geomembrane

GeoSeal HDPE is a flexible waterproof and impermeable membrane manufactured from high density polyethylene resin, antioxidant and carbon black mixture. **GeoSeal** has durable properties against chemicals, biological and mechanical impacts and ultra-violet radiations. **GeoSeal HDPE** is producing in two versions as smooth surface and textured surface types. **GeoSeal HDPE** also produces accompanying with **GeoTeknik Protector** geotextile for rough and irregular surfaces where damage risk high.



GeoSeal HDPE Based Geomembrane

FIELDS OF APPLICATION

GeoSeal HDPE is welded automatic welding machine and / or fusion extruder for proper seam without leakage.

GeoSeal HDPE can cover large areas quickly and properly. Thanks to large size and dimensions of rolls.

- Solid waste storage yards
- Mining waste deposit yards
- Acid pools
- Liquid product storage tank farms
- Wastewater treatment plants
- Irrigation channels
- Lagoons and landscaping lakes
- Cut and cover tunnel walls
- Etc.

ADVANTAGES

- It is durable by virtue of the special resin comprising of antioxidant and carbon black mixture.
- It features high resistance and elongation values.
- It is resistant against chemical impacts.
- It features high UV resistance by virtue of the carbon black content.

- By virtue of the special welding method, it enables performance of air pressure, abrasion and peeling tests from its joints.
- The large roll size enables rapid and practical implementation opportunity for large-scale projects.
- It is applicable at high oblique areas with products having rough surfaces on single side or both sides.
- Materials with lower density (LLDPE, VLDPE) can also be produced for utilization options at different applications.

PACKAGING AND STORAGE

The materials are dispatched in the form of rolls with 7 m - 9,5 m width and 100 m - 200 m length. The materials must be stored on smooth surface. The stored products must be kept away from direct sunlight, heat and combustible sources. In case the rolls must be stored outdoors for long duration, then the rolls must be covered for protection against sunlight. Absolutely no smoking in the storage yard.

TECHNICAL SPECIFICATIONS

Properties	Standart	Unit	Type A
Thickness	ASTM D 5199	mm	0,75 - 3,00
Density	ASTM D 1505	g/cm	≥ 0,94
Tensile Strength at Yield	ASTM D 6693 type IV	kN/m	12-45
Elongation at Yield		%	≥ 12
Tensile Strength at Break		kN/m	24-80
Elongation at Break		%	≥ 750
Tear Strength	ASTM D 1004	N	95-380
Punch Strength	ASTM D 1603	N	280-1000
Oxidative induction time (OIT)	ASTM D 3895	min.	≥100

Roll Packing

