

GEOMEMBRANE PVC

DURABLE AND ELASTIC INSULATION

APPLICATIONS AND ADVANTAGES:

APPLICATIONS

The PVC geomembrane is a synthetic foil made of polyvinyl chloride, used in civil and water engineering as well as in environment protection as a barrier or a barrierelement preventing water (or other liquid) rising or penetration.

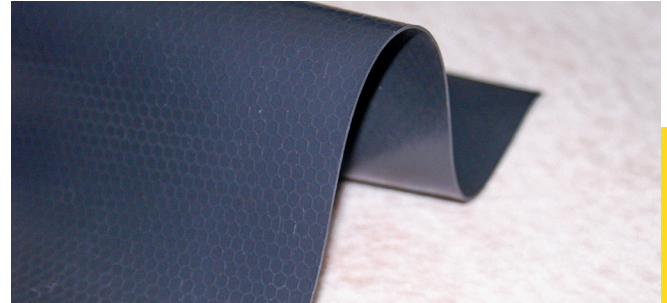
ADVANTAGES

- ▶ high elasticity
- ▶ very good adhesion of the substrate
- ▶ resistant to non-uniform ground settlement or deformation
- ▶ owing to high specific gravity, it is ideal for water tank insulation
- ▶ owing to its high elasticity, it gives the possibility to prepare large size sheets beforehand to be directly arranged at the site

USES:

- ▶ Building insulation
 - foundations and basements
 - terraces and balconies
 - transitions of pipes and other conduits in foundations
- ▶ Insulation engineering structures
 - water tanks
 - fire tanks
 - oil tanks
 - retention tanks
 - drainage tanks
- ▶ Insulation in environment protection
 - evaporation tanks
 - sewage treatment plants
 - waste dumps
 - gas stations
 - water dams
- ▶ Recreation, gardening, sport
 - fish ponds
 - garden ponds
 - swimming pools
 - fountains

A list of the chemical compounds to which the PVC membrane is resistant is available on request.



SEALS

The joining of the geomembrane bands takes place through welding by means of specialized equipment, and the tightproofness of the welds is verified with the use of pressure tests or vacuum shades.



TECHNICAL DATA

		0,8	1	1,5	2
Thickness (PE EN 1849-2) (mm)		0,8 mm	1,0 mm	1,5 mm	2,0 mm
Basis weight (kg/m ²)		1,3 kg/m ²	1,6 kg/m ²	2,4 kg/m ²	3,2 kg/m ²
Max. tensile force (PN-EN ISO 12311-2)	N / 50mm	≥250 ≥250	≥250 ≥250	≥500 ≥500	≥1000 ≥1000
Elongation at rupture (PN-EN ISO 12311-2) (%)	along across	≥100 ≥150	≥100 ≥150	≥100 ≥180	≥100 ≥200
Tensile strength (PN-EN ISO 527 1/3) (MpA)	along across			≥15	

CHEMICAL RESISTANCE

It is resistant to chemical substances, fungi, roots and bacteria present in the ground. It is completely neutral to the natural environment.