



PLANTER dimpled membrane

Application areas

PLANTER extra - Construction and reconstruction of motorways and road slopes; execution of works in difficult soil and hydrological conditions; protection of waterproofing at important premises; replacement of concrete base; construction of tunnels and subways; in flat roofs being in exploitation, drainage during close-trench tunnel construction drainage; layer drainage.

PLANTER standard is designed for the protection of waterproofing of subsurface parts during backfilling of the foundation pit; protection of the foundation slab against capillary moisture; sanitation of damp walls; in multipurpose roofs; replacement of concrete bed, drainage during open-trench tunnel construction, stabilization of the roadbed.

PLANTER eco is designed for the protection of a waterproofing layer of foundations and foundation slabs against capillary moisture in cottages and low-rise buildings and replacement of the concrete bed.

PLANTER geo and extra-geo is designed for layer drainage in roofings and waterproofing, drainage in ballast roofings; drainage during open-trench tunnel construction; vertical wall drainage of waterproofing.



Description of material

PLANTER dimpled membrane is produced from high-density polyethylene (HDPE) with formed shoulders that are 8 mm high. PLANTER has enhanced strength parameters, is chemical resistant, fungiproof, bacteria-resistant, is resistant to damage by the roots of plants and UV-radiation.

PLANTER extra, PLANTER standard, PLANTER eco are single-layer sheet.

PLANTER geo and PLANTER extra-geo is a two-layer membrane made of high-density polyethylene with shoulders that are 8 mm high; the second layer is a geotextile sheet glued to the membrane.

The main function of membranes PLANTER is to protect the waterproofing layer and to provide wall drainage. PLANTER possesses high strength characteristics, it is resistant to chemical action, to the influence of mould and bacteria, roots of plants and ultraviolet radiation.

General features:

- High impact resistance;
- Effective drainage and protection of waterproofing;
- Ease of installation;
- Ecological material;
- Service life more than 60 years;
- Resistant to chemical reagents.

Product technical data

Characteristics	Measure	PLANTER extra	PLANTER standard	PLANTER eco	PLANTER geo	PLANTER extra-geo
Description	-	One-layer cloth made of high density polyethylene			Two-layer membrane – high density polyethylene and geo-textile cloth	
Dimpled sheet material	-	HDPE				
Color	-	black				
Dimple Height	mm	8				
Basis Weight 1m²	kg	0,8	0,55	0,45	0,65	0,9
Compressive Strength	kPa	550	280	200	350	580
Tensile strength	H/50mm	450	280	200	420	590
Elongation	%	18	20	20	30	18
Water flow rate, max (horizontal)	L/M ² sec	—	—	—	5,1	10,2
Flexibility on screed with radius 5.0±0.2 mm	°C	- 45°C				
Water absorption	%	0				
Reaction to fire	—	combustible				
Standard roll size	m	2 x 20			2 x 15	