

HDPE DIMPLED MEMBRANE WATERPROOF

CLASSIFICATION OF PETRO HDPE DIMPLED MEMBRANE

Waterproof drainage plate is also called draining plate, water repellent plate, plastic lug, waterproof draining protection plate, plastic drainage plate, plastic drainage (storage) plate, interlayer plastic plate, plastic drainage lug etc.

Application Field

Landscape Engineering:

Underground garage roof plant, green roof, football field, golf course, outdoor bathing place, plant in the salt and alkali place etc.

Constructional Engineering:

Anti-seepage of floor layer in the underground, Anti-seepage for building foundation of super stratum sublayer basement interior & exteriors layer.

Traffic Engineering:

Tunnel, highway railroad bed, dam, revement drainage.

Municipal Engineering:

Metro, road bed and landfill.

Decoration Project:

Moisture proof, sound insulation, damping, threading.



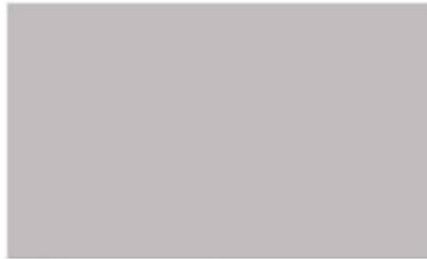
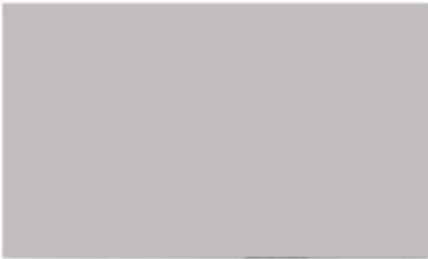
-3 Top deck Application of underground afforests planted construction:

1. Green vegetation
2. Planted soil
3. Non-woven Geotextile
4. HDPE Dimple Membrane
5. Composite Geo Membrane
6. Waterproofing Chemical
7. Levelling Layer
8. Top deck construction



1. Some Projects done by Petroseal Enterprises

- 1.
- 2.
- 3.
- 4.



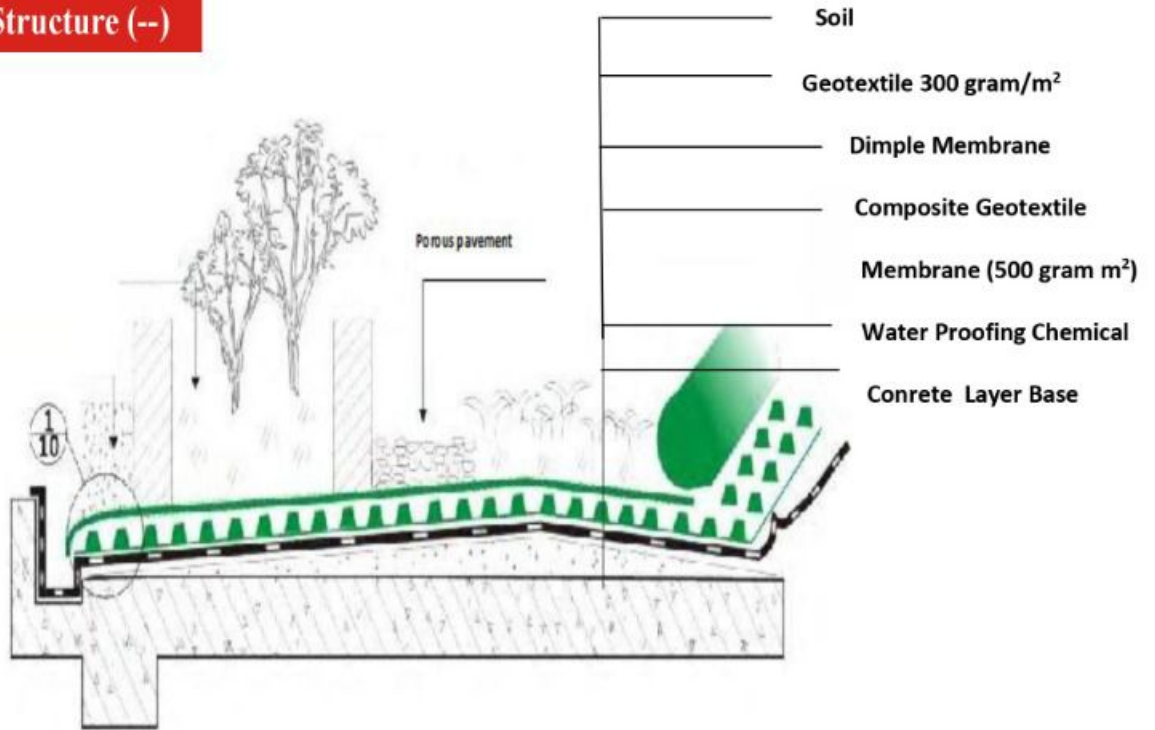
Dimpled Membrane use in Garden

Dimpled membrane is a perforated drainage board specifically designed for use in garden roof assemblies. The product features large, 8 mm high dimples with an octagon shape for outstanding compressive strength. Due to its high water retention capacity and its ability to effectively drain away surplus water this special membrane is ideal for use in extensive or intensive rooftop gardens.

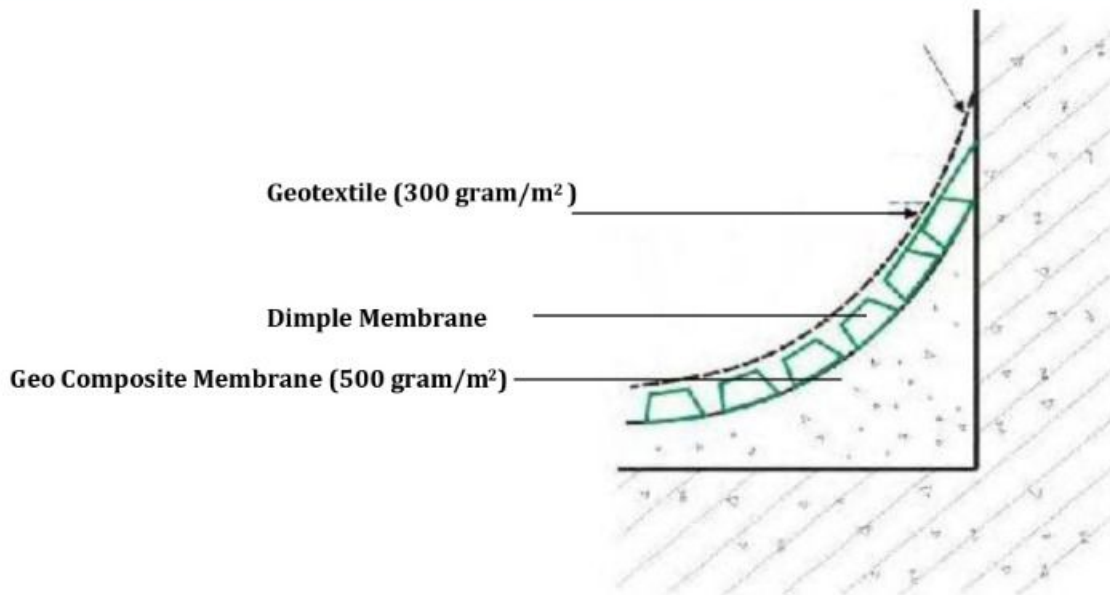


ROOF TOP GARDEN

-1 Comprehensive Structure (--)



Edge Corner





SPECIFICATION

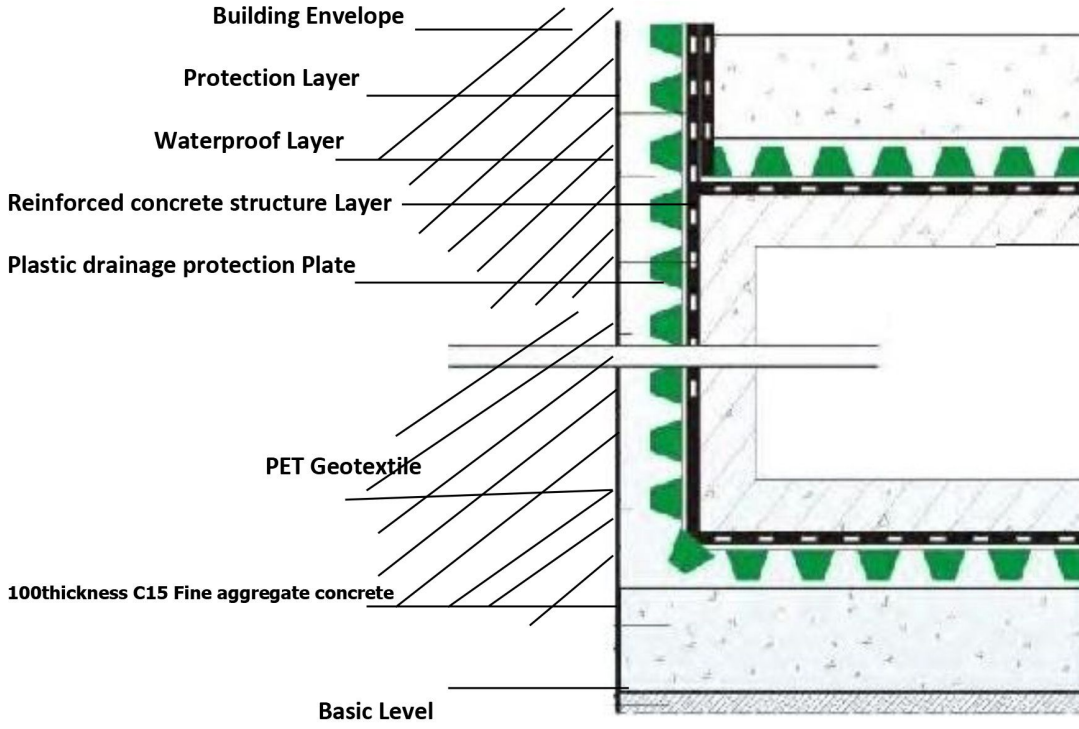
-1	Raw Material	100 % virgin PE
-2	Color	White
-3	Wall Thickness	0.7 mm
-4	Weight (g/m ²)	800
-5	Height (mm)	8
-6	Dimple Number/m ²	1440
-7	Dimple to dimple width (mm)	2800 mm
-8	Roll width (mm)	2800 mm
-9	Roll length (mm)	20 Meter
-10	Packing	PP Woven Bag per Roll

Petro draining plate physical & mechanical properties criterion

Sr #	Item Name	Index
1	Elongation 10 % tension /(N/100mm)	350
2	Maximum tension /(N/100mm)	600
3	Elongation at break %	25
4	Tear resistance /N	100
5	Compression ratio is 20% maximum strength/kpa extremity compress phenomena	150
6	Low temperature flexibility	-10 ^o C
7	Elongation is 10% tension retention rate	80
	Max strength tension retention rate%	90
	% elongation at break retention rate	70
	Max strength retention in 20% compression ratio	90
	Extremity compress phenomena	Without fra
8	low temperature flexibility	-10 ^o C
	Longitudinal flow capacity(side pressure 150kpa)/(cm ² /s)	10



-1 Open trench Tunnel



-2 Bored Tunnel

