PLYDEX PROFESSIONAL'S CHOICE



SECTION:

DATA SHEET:

1.PRODUCT NAME: PLY-DRAIN & PLY-DRAIN/GTX.

2.DESCRIPTION:

PLY-DRAIN is a high strength one-sided cuspated HDPE membrane; **PLY-DRAIN** is light and flexible, strong and resilient.

PLY-DRAIN provides, according to the application requested, ventilation, thermal and acustical insulation, waterproofing and drainage. (fig. 1).

PLY-DRAIN/GTX: for special drainage application, where the drainage performance is essential.

PLY-DRAIN can be glue laminated with one geotextile (either Polypropylene or Polyester). The geotextile main function is water filtration and HDPE cuspids protection. Standard geotextile is > 120 g/sq.m. non-woven PP, having suitable tensile strength and high permeability. Other type of geotextiles can be laminated on request.

3. APPLICATIONS:

PLY-DRAIN & PLY-DRAIN/GTX are used for:

A - protection, insulation & drainage on waterproofig membrane for:

- foundations;
- flat roof;
- tunnels;
- trenches
- underground works;
- dams.

B – instead of stones, coarse gravels and granular material in the sub-base foundations;

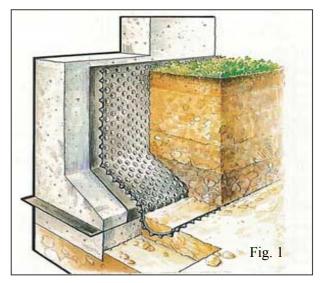
- C vertical drainage on:
- retaining walls;
- tunnels;
- dams;
- roads.
- D horizontal drainage of:
- roof decks;
- sportfields;
- embankments;
- parking area.
- E Thermal and acustical insulation of:
- floorings.
- F antiroot and drainage layer of:
- roof deck gardens.

ONE-SIDED CUSPATED HDPE MEMBRANE FOR VERTICAL & HORIZONTAL DRAINAGE

PLY DRAIN/GTX

PLY DRAIN





G – insulation and sub-base of:

- patios & balconyies;
- flat roof decks.
- H reinfall drainage

primary drainage for conveying leachate to collection basin.

I - biogas drainage in landfill wastage projects.

4.ADVANTAGES:

PLY-DRAIN, PLY-DRAIN/GTX are:

- light
- high impact resistant;
- resilient;
- easy to transport;
- non-rotting,
- easy to install.

Compare to the traditional drainage systems,

PLY-DRAIN, & PLY-DRAIN/GTX have the following technical and economical advantages:

- no use of coarse aggregates, which are, if available, very heavy, voluminous and expensive in handling and transportation

- high drainage efficiency due to the particular cuspids section;
- hydrostatic control at the foundation base ;
- high adaptability to the construction/soil contour
- dramatic reduction of the excavation drainage works.

5.INSTALLATION:

Installation may vary depending on job requirements. The following are general installation procedures.

A. Preparatory work:

All excavation should be completed before the installation of **PLY-DRAIN**

B. Alignement:

Unroll and alig

ne **PLY-DRAIN** rolls. Make 10cm minimum overlaps and clamp cuspids.

C. Fixation:

Fix **PLY-DRAIN** mechanically on the concrete structure above ground line, if requested.

D. Backfilling:

At the end of PLY-DRAIN installation, bury it evenly .

E. Precaution:

On horizontal applications, avoid unnecessary trafic on the membrane.



Plydex Technical Service is available to solve any specific problem at the design stage and at the application stage as well.

6.SIZE & PACKAGE:

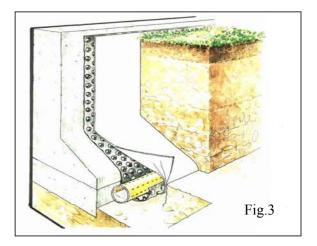
PLY-DRAIN, PLY-DRAIN/GTX are in rolls having the following dimensions: Height: 1,5 - 2 - 2,5m (standard)- 3 - 4 - 5m (special) Length: 20 m Other length available on request..

7.TECHNICAL SPECS:

See PDR020 Data Sheet.

8.AVAILABILITY AND COSTS:

PLY-DRAIN, PLY-DRAIN/GTX are available throughout our Distributors network.



All data mentioned are for reference pur pose only and are not intended as a warranty or guarantee.

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GEOTEXTILES, GEOMEMBRANES, DRAINAGE MEDIA, ANTIEROSION MATS, CONCRETE SPECIALITIES.