

# GEO-DRAIN SD80

High Strength Protection Vertical & Horizontal Drainage



CC Technique Product Data Sheet

Edition: December 2015

Division: 7

Thermal & Protection

## ■ The Product

GEO-DRAIN SD80 is a high strength one side cusped structure.

It is light and flexible, strong and resilient. Cusped core produced by HDPE [high density polyethylene] other polymers [PVC, HIPS ECT...] can be used on request.

GEO-DRAIN SD 80 can be laminated with one geotextile. The geotextile is a precision manufactured polyester non-woven fabric.

GEO-DRAIN SD 80 controls soil erosion, protects constructions, allows water to drain, while reducing water table pressure.

It is an insulating material and its corrugation allows proper ventilation to foundations.



## ■ Uses

GEO-DRAIN SD80 is mainly used for:

### **a) Drainage and protection of waterproofing systems on:**

- Foundation and underground work.
- Tunnels.
- Pipelines.
- Roof deck gardens.
- Dams.

### **b) Vertical drainage on:**

- Sports & Agriculture field
- Tunnels & Trenches.
- Dams.
- Roads.
- Retaining walls.

### **c) Horizontal drainage of:**

- Parking areas.
- Embankments.
- Road deck gardens.
- Roads.
- Industrial flooring.

### **d) Primary drainage:**

- For collective leach ate to collection basins.

### **e) Erosion control**

### **f) Insulation and paving support on:**

- Road deck & Patios.

### **g) Thermal & sound insulation of:**

- Flooring walls.

## ■ Instruction for use

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

### **a) Preparatory work:**

Excavation should be complete prior to the installations.

### **b) Alignment:**

Unroll and align GEO-DRAIN SD 80 rolls.

Overlaps should be minimum 4 inches [100mm] wide.

For water tight overlap eagle seal in seam sealant.

For protection of membrane and drainage on foundations:

Fix GEO-DRAIN SD 80 mechanically on the concrete structure above ground line.

Availability:

GEO-DRAIN SD 80 is available from selected building materials dealers, and lumber yards. Contact the manufacturer if you don't find it in your area.

## ■ Advantages

GEO-DRAIN SD 80 is light, resilient, very resistant to concentrated load, easy to transport, rot resistant, easy to apply.

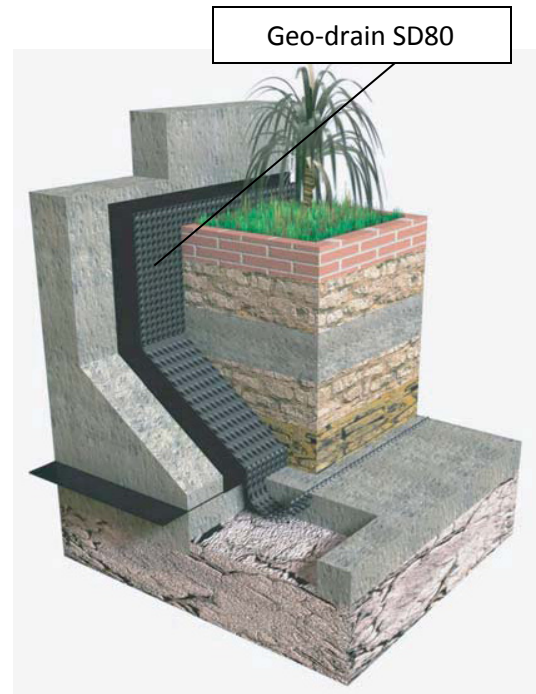
GEO-DRAIN SD 80 improves drainage efficiency, lower hydrostatic pressure on foundation SABS, eliminates the use of coarse aggregates, perfectly fit to the soil contour, reduces labor cost.

## ■ Precautions

Avoid unnecessary traffic on GEO-DRAIN SD 80.

## ■ Physical and chemical characteristics

GEO-DRAIN SD 80 core is a cusped matrix produced by selected resins [HIPS-PVC-HDPE ECT...]



Product name	GEODRAIN SD-80
Nominal thickness mm	8-10
Upper geotextile [if specified]	Polyester
Lower geotextile [if specified]	--
Core polymer	HDPE
Compressive strength	Up To 20000 Kg/m
U.V. rays resistance	Excellent
Ageing resistance	Excellent
Weathering resistance	Excellent
Soil chemicals resistance	Excellent
Water resistance	Excellent
Bacteria resistance	Excellent

Code	Description	Unit Of Sale	Qty	Base Unit	Color
DG382020	Geo-Drain HDPE BASE BOARD 10MM(T)[2MX 20M]	Roll	Sqm	40	Black
DG382520	Geo-Drain HDPE BASE BOARD 10MM(T) [2M X 20M]	Roll	Sqm	50	Black
DG383020	Geo-Drain HDPE BASE BOARD 10MM(T) [2M X 20M]	Roll	Sqm	60	Black
DG410220	Geo-Drain HDPE BASE BOARD 10MM(T) [2M X 20M]	Roll	Sqm	40	Black
DG411220	Geo-Drain HDPE BASE BOARD 10MM(T) [2M X 20M]	Roll	Sqm	40	Black
DG412220	Geo-Drain HDPE BASE BOARD 10MM(T) [2M X 20M]	Roll	Sqm	40	Black