

GEO-DRAIN SD120

Multi-composite drainage protection board



CC Technique Product Data Sheet

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Division: 7

Thermal & Protection

■ The Product

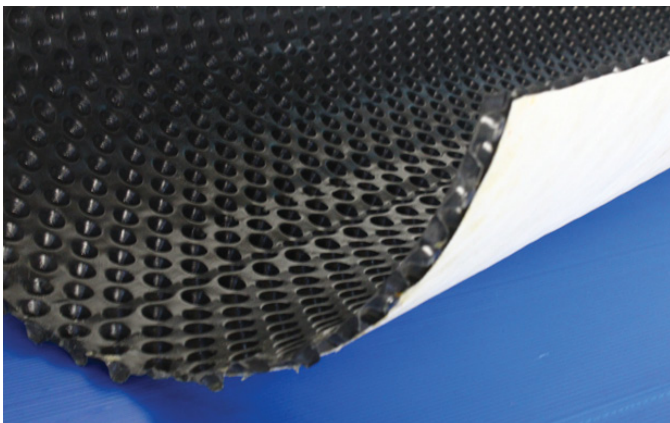
GEO-DRAIN SD 120 is a high strength one side cusplate structure.

GEO-DRAIN SD 120 is light and flexible, strong and resilient. Cusplate core produced by HDPE [high density polyethylene] other polymers [PVC, HIPS ECT...] can be used on request.

GEO-DRAIN SD 120 is laminated with geotextile on both sides. The geotextile polypropylene non-woven fabric.

GEO-DRAIN SD 120 controls soil erosion protects constructions, allows water to drain, while reducing water table pressure.

GEO-DRAIN SD 120 is an insulating material and its corrugation allows proper ventilation to foundations.



■ Uses

GEO-DRAIN SD220 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 fields.
- Tunnels & Trenches.
- Dams.
- Roads.
- Retaining walls.

c) **Horizontal drainage of:**

- Parking areas.
- Embankments.
- Roof deck gardens.
- Roads.
- Industrial floorings.

d) **Primary drainage:**

- For collective leach ate to collection basins

e) **Erosion control.**

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

- Roof deck & Patios.

g) **Thermal& Sound insulation of:**

- Flooring walls.

■ Instructions 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 installation.

b) Alignment: Unroll and align GEO-DRAIN SD 120 rolls.

Overlaps should be minimum 4 inches (100mm) wide. For water tight overlaps use eale seal in seam sealant. For protection of membranes and drainage on foundations:

Fix GEO-DRAIN SD 220 mechanically on the concrete structure above ground line.

Availability:

GEO-DRAIN SD 220 is available from selected building materials dealers, and lumber yards.

Contact the manufacturer if you don't find it in your area.

■ Physical and chemical characteristics

GEO-DRAIN SD 120 core is a cusplate matrix produced by selected resins [HIPS-PVC-HDPE ECT...]

Product name	GEO-DRAIN SD 120
Nominal thickness [mm]	2X8
Upper geotextile [if specified]	Polypropylene
Lower geotextile [if specified]	Polypropylene
Core polymer	HDPE
Compressive strength	Up To 20000 Kg/m ²
U.V. rays resistance	Excellent
Ageing resistance	Excellent
Weathering resistance	Excellent
Soil chemicals resistance	Excellent
Water resistance	Excellent
Bacteria resistance	Excellent

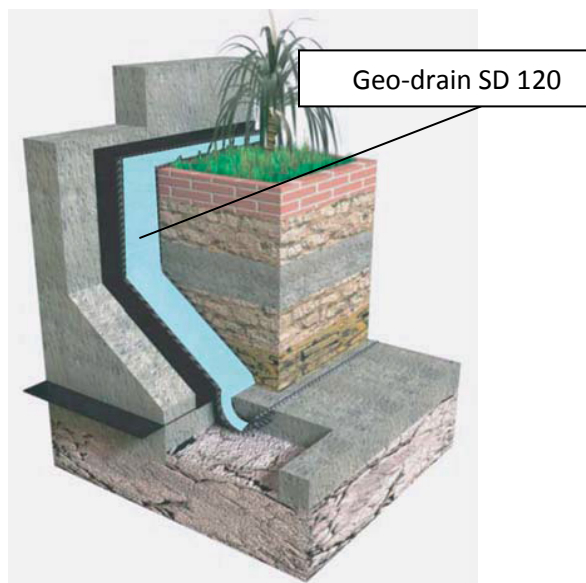
■ Advantages

GEO-DRAIN SD 120 is light, resilient, very resistant to concentrated load, easy to transport, rot resistant, easy to apply.

GEO-DRAIN SD 120 improves drainage efficiency, lower hydrostatic pressure on foundation sabs, eliminates the use of coarse aggregates perfectly fits to the soil contour, and reduces labor cost.

■ Precautions

Avoid unnecessary traffic on GEO-DRAIN SD 120.



Code	Description	Unit	Qty	Base Unit	Color
DG382020	GEO-DRAIN DRAINAGE HDPE BASE BOARD [10MM(T)X 2M X 20M]	Roll	Sqm	40	Black