

Sheet Drain

DESCRIPTION

Sheet consists of a three dimensional HDPE drainage sheet core with a non woven geotextile fabric adhered to the dimpled profile. The drain creates a stable void between subsoil and concrete structures to allow groundwater to drain away from the structure preventing a buildup of hydrostatic pressure.



FEATURES

- Easy to handle and install
- Strong and Durable
- High flow capacity
- The flat side protects point load damage to waterproof membranes
- Replaces conventional aggregate drainage systems

APPLICATIONS

- Vertical Wall Drainage
- Horizontal Roof Drainage
- Planter Box Drainage
- Membrane Protection
- Landfill Cap Drainage

INSTALLATION

Sheet drain should be laid with the geofabric facing the subsoil. Ensure that all edges are adequately sealed against the uncontrolled ingress of soils.

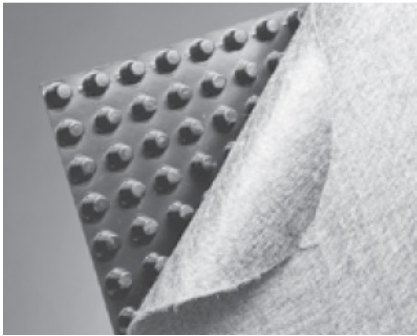
There may be a requirement for a specific collection system at the base of the sheet drain to efficiently discharge collected water. Conventional “agi pipe” is generally suitable for use.

It is important that such drains allow for the efficient discharge of water external to the application.

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INSTALLATION - JOINTING SHEET DRAIN

Step 1 - Peel back the geotextile layer off the last two rows of dimples on both sheets to be joined.



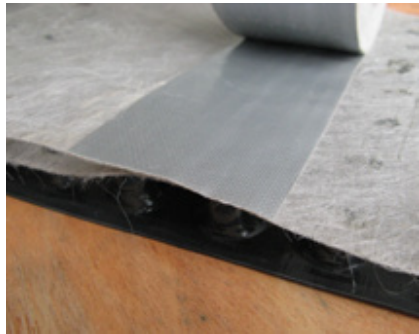
Step 2 - Apply a spot of neutral cure sealant/adhesive to each dimple cavity.



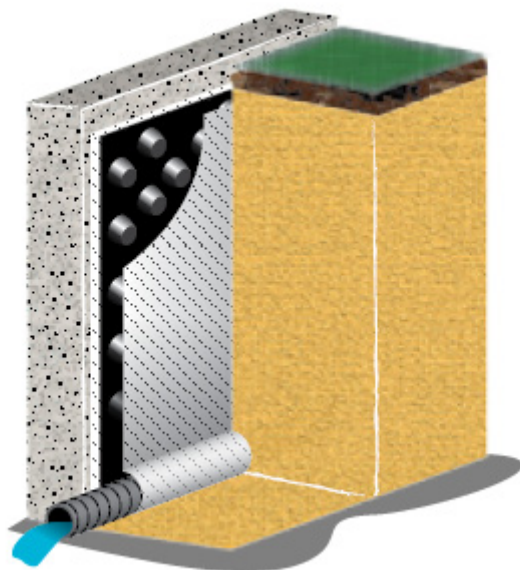
Step 3 - Overlap the sheets and align the dimples before pressing together.



Step 4 - Fold back the geotextile onto the surface and tape the join to hold it together until backfill soil is placed.



Completion - Ensure when necessary, that suitable outlet drainage is installed. Any compaction near the face of the product should be carried out with care.



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TECHNICAL DATA SHEET



TECHNICAL DATA SHEET

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PROPERTIES

Property	DSHD12	DSHD18	DSHD6000
Core Thickness ASTM D1777	12mm	18mm	10mm
Core Structure	Single Cuspated Flat Back	Double Cuspated	Single Cuspated Flat Back
Core Material	HDPE	HDPE	PP
Open Core Volume		>90%	
Max Wall Height	4m	10m	18m
Discharge Capacity ASTM D4716	>155 l/min/m	>250 l/min/m	>155 l/min/m
Compressive Strength ASTM D1621	>200kPa	>250kPa	>700kPa
Roll Width	1.0m	1.2m	1.22m
Roll Length	25m	25m	15.24m
Transport Dimensions	0.65m Dia x 1m	0.85m Dia x 1.2m	0.5m Dia x 1.22m

Allcon products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Sheet Drain
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