DUX Drainage Products

PROPERTIES	UNIT	TEST METHOD	SD100B	SD200A	CD12	CD20	PD20
CORE							
Profile			single cuspate	double cuspate	double cuspate	double cuspate	single cuspate, punched holes on flat
Material		HDPE					
Compressive Strength	kN/m²	ASTM D1621	200	200	150	150	450
COMPOSITE DRAIN							
Width	mm		100	200	1150	1200	1100
Thickness	mm		20	40	12	20	20
Free Surface Area	%	>90					
Flow Rate		ASTM D4716					
@100% Gradient					75	150	
@1% Gradient	L/Min		12	26			60
GEOTEXTILE FILTER							
Type		NW, needlepunched.					
Structure		calendared one side					
Material		100% UV stabilised polypropylene					
Grab Tensile Strength	N	AS3706.2	>680				
Tear Strength	N	AS3706.3	>230				
Permittivity	s-1	AS3706.9	1.91				
EOS	mm	AS3706.7	0.17				
PACKING DETAILS		PE Bag					
Roll Length		m	50	50	30	30	30
Roll Width		m	0.1	0.2	1.15	1.20	1.10
Roll Diameter		m	0.8	1.1	0.6	0.7	0.7
Roll Mass		kg	13.5	13.5	25	29	49.50

Manufactured in ISO9002 accredited facility.
The values given are indicative and corresponds to average values obtained in laboratory and testing institutes.
The right is reserved to make changes at any time without prior notice

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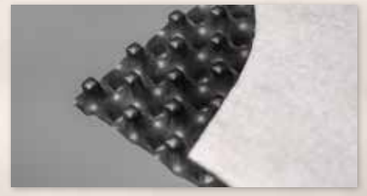
DUX Drainage Products

DUX drainage geocomposites revolutionise the drainage of structures including retaining walls, bridge abutments, basement excavations, sub-soil drains and green roofs.

DUX drains replace expensive drainage aggregate, resulting in real cost savings and rapid, efficient drainage. Proudly made in Australia using recycled plastics, Southern Geosynthetics continues the tradition pioneered by Nylex over 30 years ago.

Strip Filter Drain



Sheet Drain

GreenRoof

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DUX Strip Filter Drain

DUX strip filter drains comprise a strong, high-flow 3D core, fully wrapped in non-woven, hydrophilic geotextile.

DUX drain is designed to replace a traditional sand or gravel-filled trench and Ag pipe. Installed in a narrow trench DUX strip filter reduces labour and material costs by half.

With more than 10 times the effective open area of Ag pipe and rigid strip filters, DUX strip filter drains provide the fastest drainage response, which is the key performance parameter for effective sub-soil drainage.

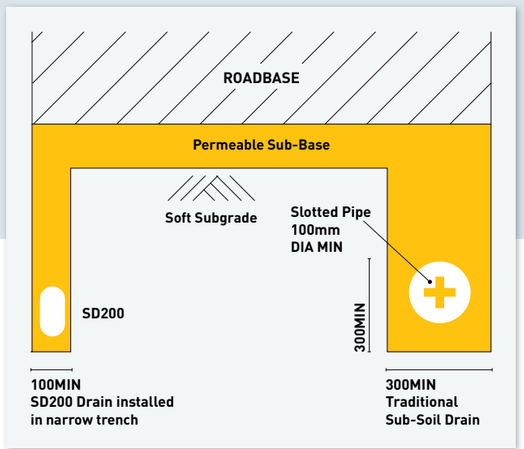
Available in 100mm, 200mm and 300mm widths, either 25mm or 40mm thick and supplied in 50m rolls. SD200A meets all of the requirements of DOT specs.

Key advantages of DUX Strip Filter Drain

- Fastest drainage response
- Reduced installation cost
- Lightweight, flexible and easy to handle
- Reduced space requirements
- Strong and durable
- High flow capacity

Basement drainage with DUX SD Drain

Gas venting at Yarraville replaces hard to place aggregate



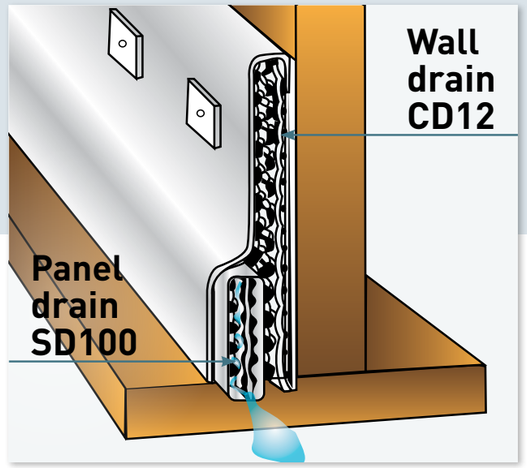
DUX Sheet Drain

DUX CD is a geocomposite drainage blanket, comprising a 12mm or 20mm thick double dimple core with nonwoven hydrophilic geotextile on one side.

In retaining wall applications DUX CD replaces up to 300mm of traditional drainage aggregate.

Benefits

- Reduces hydrostatic pressure behind walls
- Assists in the waterproofing of structures
- Acts as a protection layer over waterproofing membranes
- Creates a vapour and thermal insulation barrier adjacent to waterproofing membranes
- High crush strength allows installation up to 25m deep
- Wide and easy to handle rolls result in rapid and lowcost installation.



DUX GreenRoof

DUX PD20 GreenRoof is a 20mm single dimple core combined with a non-woven hydrophilic geotextile.

Used on green roofs GreenRoof replaces expensive, heavy aggregate, reducing the design roof load. PD20 is used on "intensive" roofs, that is green roofs with a relatively deep soil profile. Roofdeck is used on "extensive" roofs, that is green roofs with a shallow soil profile. The core is reversed with the geotextile adhered to the flat side. The cups of the core retain water to provide moisture to the soil.

Benefits

- Reduces load on green roofs
- Cost saving compared to aggregate drainage
- Improved drainage
- Thermal insulation to roof
- Protection of waterproofing membrane
- High crush strength
- Roofdeck retains water to maintain soil moisture.