



ARDEX DRS 10/18 GC

Prefabricated Drainage Composite

Provides effective drainage and waterproof membrane protection

Dimple structure effectively captures and transports high water volumes

Resists high loads from earth form work

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Email: technicalservices@ardexaustralia.com
Internet: www.ardexaustralia.com

ARDEX New Zealand Ltd
32 Lane Street
Woolston, Christchurch 8023
Phone: 0800 227 339
Email: info@ardexnz.com
Internet: www.ardex.co.nz

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DESCRIPTION

ARDEX DRS 10/18 GC is a dimpled plastic sheet that provides effective drainage and waterproof membrane protection on foundation walls and other underground structures. The integrated non-woven geotextile covering the dimples prevents soil particles blocking the drainage sheet, creates an air gap for reliable ventilation and allows inflow and with its dimple structure effectively captures and transports high water volumes and resists high loads from earth and formwork.

Applications

- Basement Foundations
- Retaining Walls
- Planters
- Bridge Abutments

ARDEX DRS 10 GC & DRS 18 GC perform a multifaceted role by providing protection for waterproofing systems and managing sub-surface water around building foundations. Soil backfill is retained by a filter fabric while allowing water to pass into the drainage core providing hydrostatic relief. Collected water is then conveyed to a proper collection system.

ARDEX DRS 10 GC & DRS 18 GC each consist of an impermeable polymeric sheet cuspated under heat and pressure to form a high flow dimpled drainage core. Cuspation/dimples can be on one side giving a flat surface on the opposite side (**DRS 10**) or cuspated/dimpled on both sides (**DRS 18**). The core is then bonded to a layer of non woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

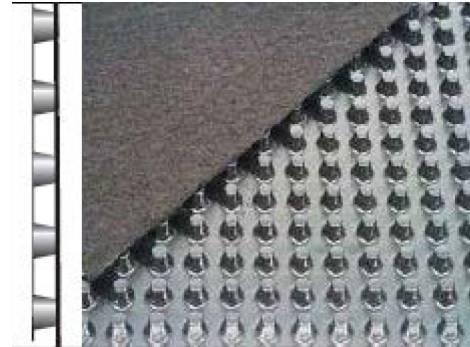
The double cuspated (**DRS 18**) provides an additional void space between the wall/wall membrane and Drainage Composite for air and water to circulate. In addition it maintains a very high flow rate while providing a higher strength for greater depths.

INSTALLATION

- Installed either vertically or horizontally.
- Held in place by either taping, nailing, gluing or simply overhanging over the wall while backfilling takes place.
- Installed with the geotextile facing the backfill.
- Joined by simply butting edge to edge and overlapping the geotextile overhang and securing with reinforced canvas tape.
- Alternatively overlap the cuspatate core by 50mm and secure geotextile as previous.
- Backfill with free draining fill taking care not to disturb or damage the ARDEX DRS 10 GC/DRS 18 GC.

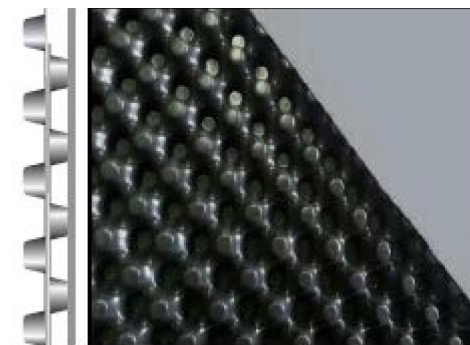
ARDEX DRS 10 GC

Single Cuspated (Raised cups one side)



ARDEX DRS 18 GC

Double Cuspated (Raised cups both sides)



ARDEX DRS 10/18 GC

Prefabricated Drainage Composite

TECHNICAL DATA

The Technical Data shown below are the average results of the Tests, Measurements and Trials, carried out on ARDEX DRS 10 GC & DRS 18 GC.

Characteristics	Units	DRS 10 GC	DRS 18 GC	Geotextile Properties	
Comprehensive Strength (ASTM-1621)	kN/m ²	528	250	Flow (AS3706.9-12)	>200 l/m ² /s
Thickness (ASTM-1777)	mm	10.0	20.0	CBR (AS3706.7-12)	>1500 N
Flow (ASTD-4716) j=1.0	l/min/m width	223	450	EOS (AS3706.4-12)	<0.12 mm
Roll Length	m	12.5	25.0	Grab (AS3706.2-12)	>500N
Roll Width	m	1.22	1.10		
Roll Weight	kg	18	26		

ARDEX Australia Pty Ltd
Phone: 1300 788 780
Fax: 1300 780 102

Toll Free Technical Services:
1800 224 070 (Australia)

ARDEX New Zealand Ltd
Phone: 0800 227 339
Fax: (03) 384 9779

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DISCLAIMER

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