



ARDEX DRS 30/50 DC

30mm & 50mm Drainage Cell

Very high compressive load carrying capacity of up to 140 tonnes/m²

Very high lateral flow capacity

Reduces hydrostatic forces upon retaining walls

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DESCRIPTION

ARDEX DRS 30 DC and DRS 50 DC provides a perfect solution for sub-soil drainage application for creating a successful Roof Garden, without any traditional problems associated with cracking or leakage. The DRS 30 DC and DRS 50 DC provides a uniform surface as well as an internal void space for effective draining of excess water.

ARDEX DRS 30 DC and DRS 50 DC is made from recycled Polypropylene and is inert to soil borne chemicals and bacteria. The shallow and effective drainage profile helps landscapers to make use of mature plants on roof garden which needs soil depth and water retention properties by allowing for maximum soil depth which improves the growing environment.

High Summer temperatures can cause thermal expansion in concrete and can cause waterproofing to crack, the ARDEX DRS 30 DC and DRS 50 DC system due to its unique design and void properties help this heat to escape and hence reduce the risk of cracking, enhancing building life.

The added benefit of the drainage cell material is the high compressive loadings it can withstand while maintaining its drainage. It is environmentally friendly and easy to install.

APPLICATIONS

- Green Roof Applications
- Drainage for retaining walls
- Landscaping drainage systems
- Tunnel Drainage systems
- Gas collection systems

TECHNICAL DATA

Characteristics	DRS 30 DC	DRS 50 DC
Part Size	(H) 30mm (W) 575mm (L) 575mm	(H) 50mm (W) 575mm (L) 575mm
Part Weight	650 grams	1650 grams
Weight Per Square Metre	1.95 kg	4.95 kg
Ultimate Strength (RECYCLED PP)	50 tonnes/SQM (100 PSI)	140 tonnes/SQM
Ultimate Strength (VIRGIN PP)	80 tonnes/SQM (114 PSI)	
Flow Rate	1.41 Litres/Sec/m @ 1% gradient	2.56 Litres/Sec/m @ 1% gradient
Pieces Per Square Metre	3	3
Volume Void	90%	90%
Surface Void	70%	70%
Material	85% Recycled Polypropylene 15% Propriety Selected Materials	85% Recycled Polypropylene 15% Propriety Selected Materials
Colour	Black	Black
Chemical & Biological Resistance	Unaffected by moulds, algae, soil-bourne chemicals, bacteria and bitumen.	Unaffected by moulds, algae, soil-bourne chemicals, bacteria and bitumen.
Service Temperature	-10°C - 70°C	-10°C - 70°C
Approximate Material Lifespan	100 years + with no ultra violet exposure	100 years + with no ultra violet exposure

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DISCLAIMER

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