



ARDEX DRS 30/50 DC

30mm & 50mm Drainage Cell

Very high compressive load carrying capacity of up to 225 tonnes/m²

Very high lateral flow capacity

Reduces hydrostatic forces upon retaining walls

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ARDEX DRS 30/50 DC

30mm and 50mm Drainage Cell

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

The Technical Data shown below are the average results of the Tests, Measurements and Trials, carried out on ARDEX WPM 116.

Characteristics	Standard	Units	DRS 30 DC	DRS 50 DC
Width		mm	500	500
Length		mm	600	600
Height		mm	30	50
Surface Void		%	68	<90
Internal Void Area		%	95	<95
Material			90% recycled polypropylene + 10% propriety mix	100% recycled polypropylene
Colour			Black	Black
Biological & Chemical Resistance			Unaffected by moulds and algae, soil-borne chemicals, bacteria and bitumen, oils and light acid, alkaline solutions	
Service Temperature		°C	-10°C to 85°C	-10°C to 85°C
Compressive Strength/ Ultimate Load	ASTM D1621	t/m ²	>150	>225
Flow Rate	ASTM D4716	l/m ² /s	>18.95 l/m ² /s 1% gradient	>23.5 l/m ² /s @ 1% gradient

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October 2016

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