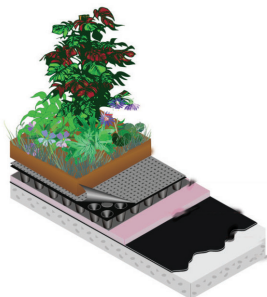


AMERGREEN™ 50RS & 100RS

americanwick.com

PREFABRICATED GREEN ROOF DRAINS



AMERGREEN Roof Garden prefabricated drains combine all the essential elements needed for a successful roof garden. AMERGREEN products consist of a formed and perforated core covered with a soil filter layer and a fabric protection layer. By design, AMERGREEN products offer intensive and extensive solutions that incorporate root barrier, drainage, water storage, aeration and membrane protection in an easy to install, lightweight, long-lasting and cost-effective design.

AMERGREEN products can contribute toward LEED design initiatives for stormwater management capabilities and recycled materials.

AMERGREEN 50RS & 100RS products provide a treated root barrier to prevent root penetration by plantings with moderately aggressive root structures.

TECHNICAL DATA			50RS	100RS
Physical Properties	ASTM Test Method	US Value	Typical Value	Typical Value
FILTER FABRIC - Growing Medium Retention, Root Barrier				
Fabric Type			Needlepunched, Nonwoven	Needlepunched, Nonwoven
Material			Polypropylene	Polypropylene
Root Barrier Coating			Copper Hydroxide	Copper Hydroxide
Copper Content		g / m ²	65	65
Water Flow Rate	D-4491	gpm / ft ²	23	23
		Lpm / m ²	937	937
Grab Tensile Strength	D-4632	lbs	145	145
		N	645	645
UV Resistance	D-4355	% / 500 Hrs	70	70
DRAIN CORE - Drainage, Water Storage, Aeration				
Material			High Impact Polystyrene	High Impact Polystyrene
Thickness	D-1777	in	0.44	1.0
		mm	11.0	25.4
Compressive Strength	D-1621	psf	15,000	9,000
		kPa	718	431
Horizontal Flow Rate ¹ Gradient = 1.0	D-4716	gpm/ft	16	80
		Lpm/m	200	933
Horizontal Flow Rate ¹ Gradient = 0.1	D-4716	gpm/ft	6	21
		Lpm/m	75	260
Water Storage Capacity		g/ft ²	.06	0.11
		L/m ²	2.4	4.5
Perforation Open Area		in ² /ft ²	3.9	8.7
		mm ² /m ²	27,080	60,400
PROTECTION FABRIC-Waterproofing Protection				
Fabric Type			Needle-Punched, Nonwoven	Needle-Punched, Nonwoven
Material			Polypropylene	Polypropylene
ROLL SIZE			4' x 50'	3' x 50'
RECYCLED CONTENT			57 %	68 %

1 - In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and referenced hydraulic gradient.



AWD
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**Sustainable
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