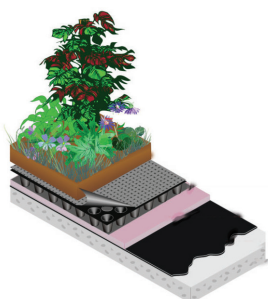


AMERGREEN™ 50 & 100

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 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 50 & 100 products provide a physical root barrier to prevent or minimize root penetration by plantings with low-to-moderately aggressive root structures.

TECHNICAL DATA			50	100
Physical Properties	ASTM Test Method	US Value	Typical Value	Typical Value
FILTER FABRIC - Growing Medium Retention, Root Barrier				
Fabric Type			Spunbonded, Nonwoven	Spunbonded, Nonwoven
Material			Polypropylene	Polypropylene
Water Flow Rate	D-4491	gpm / ft ²	80	80
		Lpm / m ²	3,260	3,260
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.

