



XeroFlor XF 299 Vegetation Blanket- Product Information

Application

The XF 299 Vegetation Blanket is a lightweight pre-vegetated mat option for XeroFlor green roof assemblies. The 299 Vegetation Blankets are delivered as fully vegetated rolls or flats for direct installations over XeroFlor base components or similar, compatible green roof base layer products.

Product Description

For blanket cultivation, the XF 300 VT carrier mat is top-dressed with ~0.3.5" XeroTerra growing medium and seeded with a regionally designed plant mixture. The XF 299 VT carrier mat is a three-dimensional, lightweight, and flexible geotextile material made up of lightweight non-woven fleece sown or adhered to a drainage composite of looped polyamide filaments thermally bonded to a specially perforated, non-woven filter fabric (XF 100)

Dimensions of the XF 299 Vegetated Blanket

XF 299 Dimensions						Unit Roll Dimensions	
Thickness	Dry Weight	Field Weight	Width	Length	Area	Length	Weight
D5199	D3776	D3776					Range
in	lb/ft ²	lb/ft ²	in	in	sf	in	lb
0.5	1.7	2.1 – 2.5	39.3	39.3	10.76	39.3	22 - 27

Properties of the non-woven fleece- XF 159 Water Retention Mat

	Unit	Mean Value	Test
Polymer		PP, PE	
Mass per unit area, Dry	lbs/sf ²	0.17	ASTM D3776
Thickness	in	0.25	ASTM D1777-96
Tensile strength MD (Warp, WMD)	lbs/in	85	ASTM D4632
Tensile strength CD (Fill, AMD)	lbs/in	90	ASTM D4632
Water retention	gal/ft ²	0.15	--

Performance properties of the drain component- XF 108 Drainage Mat

Water Flow Capacity	Pressure (psf)	Flow Rate (gal/min/ft ²)	Test
	500	17.5	ASTM D4716
	2000	3.0	ASTM D4716

Mechanical properties of the filter fabric layer- XF 100 Filter Fabric

	Unit	Mean Value	Test
Polymer		PET, PA	
Mass per unit area, Dry	lbs/sf ²	0.02	ASTM D5993
Thickness	in	0.08	ASTM D1777
Tensile strength MD	lbs/in	125	ASTM D4632
Tensile strength CMD	lbs/in	100	ASTM D4632
Elongation at break MD	%	40	ASTM D4632

XeroTerra Growing Media

A proprietary mixture of lightweight, porous aggregate, e.g. pumice, heat-expanded slate or clay; and organic matter derived from composted plant material.