

Xero Flor XF 301 Vegetation Blanket – Product Information

Application

The XF 301 Vegetation Blanket is a lightweight pre-vegetated mat option for Xero Flor green roof system assemblies. XF 301 Vegetation Blankets are delivered as fully vegetated rolls or flats for direct installation over Xero Flor base components or similar, compatible green roof base layer products.

Product Description

For blanket cultivation, the XF 301 VT carrier mat is top-dressed with ~0.6" XeroTerr growing medium and seeded with a regionally designed plant mixture. The XF 301 VT carrier mat is a three-dimensional, lightweight, and flexible geotextile material made up of lightweight non-woven fleece sown to a drainage composite of looped polyamide filaments thermally bonded to a specially perforated, nonwoven filter fabric.

Dimensions of the XF301 Vegetated Blanket

Thickness	XF 301 Dimensions					Unit Roll Dimensions		
	Dry Weight	Field Weight	Width	Length	Area	Ø	Length	Weight
D5199	D3776	D3776				Range		Range
in	lb/ft ²	lb/ft ²	in	in	ft ²	in	in	lb
0.92	3.3	4.0 - 4.8	39.4	78.8	21.5	12 - 14	40	86 - 103

Properties of the non-woven fleece

	Unit	Mean Value	Test
Polymer		PP, PE	
Mass per unit area, Dry	lb/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 composite

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

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

XeroTerr growing medium

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