

## Xero Flor XF 299 Vegetation Blanket – Product Information

### Application

The XF 299 Vegetation Blanket is an ultra-lightweight pre-vegetated mat option for Xero Flor green roof system assemblies. XF 299 Vegetated 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 299 VT carrier mat is top-dressed with ~0.35" 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 a drainage composite of looped polyamide filaments bonded to a specially perforated, nonwoven filter fabric. The components are thermally bonded together over the entire contact area.

Dimensions of the XF299 Precultivated Mat (shown as 2 meter or 3 meter length mats)

	XF 299 Vegetation Blanket Dimensions					Unit Roll Dimensions		
Thickness	Dry Weight	Field Weight	Width	Length	Area	Ø	Length	Weight
D5199	D3776	D3776						Range
in	lb/ft <sup>2</sup>	lb/ft <sup>2</sup>	in	in	ft <sup>2</sup>	in	in	lb
0.55	1.7	2.1 – 2.5	39.4	78.8 - 118.1	21.5 – 32.3	10 - 15	40	55 - 80

Performance properties of the drainage composite

Water Flow Capacity	Pressure (psf)	Flow Rate (gal/min/ft <sup>2</sup> )	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	lb/ft <sup>2</sup>	0.01	ASTM D5993
Thickness	in	0.45	ASTM D1777
Tensile strength MD	lb/in <sup>2</sup>	160	ASTM D4632
Tensile strength CMD	lb/in <sup>2</sup>	80	ASTM D4632
Elongation at break MD	%	40	ASTM D4632

XeroTerra 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.