



Xero Flor XF 108H Drain Mat – Product Information

Application

The XF 108H drain mat is the drainage layer component of the Xero Flor green roof system. The XF 108H drain mat allows a high water discharge capacity and protects the roof waterproofing membrane from direct contact by vegetated or hydrated layers. To avoid damage caused from UV radiation or wind uplift, the XF 108H mat should be covered immediately after installation.

Product Description

The XF 108H drain mat is a three-dimensional, lightweight, and flexible composite material made up of a drainage core of looped polyamide filaments bonded to a specially perforated, nonwoven filter fabric. The components are thermally bonded together over the entire contact area. The nonwoven filter fabric layer extends 4 inches beyond one side of the looped filament core to be overlaid onto the adjacent XF 108H mat. NOTE: Wetting the fabric overlap will help secure it to the adjacent mat during system installation.

Dimensions of the XF 108H drain composite

Dimension	Composite Drain Mat Dimensions					Unit Roll Dimensions		
	Thickness	Weight	Width	Length	Area	Ø	Length	Gross Weight
ASTM Test	D5199	D3776						
Unit	in	lb/ft ²	in	ft	ft ²	in	in	lb
Measurement	0.67	0.080	39.4	197	646	43	40	57

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	lb/ft ²	0.02	ASTM D5993
Thickness	in	0.03	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