

CARLISLE

MIRADRAIN G4

FOR ROOF GARDEN APPLICATIONS



Overview

Carlisle's MiraDRAIN G4 Roof Garden Drainage Composite combines filter fabric, moisture retention mat, drainage mat and heavy-duty protection fabric into a single, easy-to-apply product specifically designed for vegetated roofs.

Features & Benefits

- Greatly simplifies Roof Garden installation
- Increased drainage rate and water-holding capacity
- Holds 1.63 pounds of water per square foot (0.2 gallons or 0.32" of rain)
- Moisture retention mat is 100% post-industrial recycled material
- The G4 drainage composite has a high compressive strength that resists crushing and allows a multitude of overburden options to be used.
- 20-year warranty

Installation

1. Roof must pass inspection prior to installation.
2. Roof must be swept free of debris and ambient temperature must be above 32°F. (0°C)
3. Unroll MiraDRAIN G4 and orient green side up. Butt adjacent rolls and overlap using the built-in 6" moisture retention flap.
4. If using gravel, ballast, pavers or other Roof Garden accessories, install these items over MiraDRAIN G4.
5. You are now ready to install growth media.

Roll Size

4' x 50'

Typical Properties and Characteristics

Test	Test Method	Units	Result
Composite			
Thickness	ASTM D1777	in (mm)	1.21 (30.7)
Compressive Strength	ASTM D1621	psf (kN/m ²)	9,500 (455)
Maximum Flow Rate	ASTM D4716	gpm/ft ² (l/min/m)	82 (1,300)
Installed Horizontally	ASTM D4716	gpm/ft ² (l/min/m)	21 (260)
Water Holding Capacity		lbs/ft ² (L/m ²)	1.63 (7.97)
Fabric			
Apparent Opening Size	ASTM D4751	US std. sieve (mm)	100 (0.149)
Flow Rate	ASTM D4491	gpm/ft ² (l/min/m)	75 (3055)
Grab Tensile Strength	ASTM D4632	lbs (Kn)	300 (1.33)
Grab Elongation	ASTM D4632	%	50
Puncture Resistance	ASTM D4833	lbs (Kn)	175 (0.78)

Investing in Roofing Solutions for Over 45 Years

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