

# ROOF GARDEN

## CGT Moisture Retention Layer



### Overview

Carlisle's Moisture Retention Layers are high-loft, nonwoven polyester geotextiles specifically intended for water retention, drainage and anchorage for Roof Gardens systems. The Moisture Retention Layers are available in two sizes: 0.5" (3.6 oz/yd<sup>2</sup>) and 1" (5.1 oz/yd<sup>2</sup>). Their high permeability allows for rapid removal of excess water while enabling the growing media to retain stable moisture levels.

### Features and Benefits

- » Fast and easy to install
- » Retains water for Roof Garden applications
- » Acts as a filter fabric, preventing small media particles from entering the drainage layer

### Installation

Load Carlisle's Moisture Retention Layer to the roof. Unroll and install perpendicular to slope. Do not overlap. Place above the drainage/filtration layer and below the growing media.

*Review Carlisle specifications and details for complete installation information.*

### Typical Properties and Characteristics

Property	Test Method	Value	
		<b>0.5"</b>	<b>1"</b>
Width (ft)		7.67	7.67
Length (ft)		135	90
Thickness (in)		.5	1
Weight (oz/yd <sup>2</sup> )		3.6	5.1
Dry Unit Weight (lbs/ft <sup>2</sup> )	ASTM E2397	0.027	0.04
Unit Weight Water (lbs/ft <sup>2</sup> )	ASTM E2397	1.41	2.16
Retained Water (lbs/ft <sup>2</sup> )	ASTM E2397	0.66	0.82
Transient Water (lbs/ft <sup>2</sup> )	ASTM E2397	.75	1.34

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

### LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Michigan City, IN
Solar Reflectance Index (SRI)	N/A

### Packaging

Roll Size	Sheet Size	Weight
0.5" Layer - 7.67' x 135'	1,035 ft <sup>2</sup> (96.15 m <sup>2</sup> )	+/- 30 lbs (13.6 kg)
1" Layer 7.67" x 90'	690 ft <sup>2</sup> (64.1 m <sup>2</sup> )	+/- 20 lbs (13.6 kg)