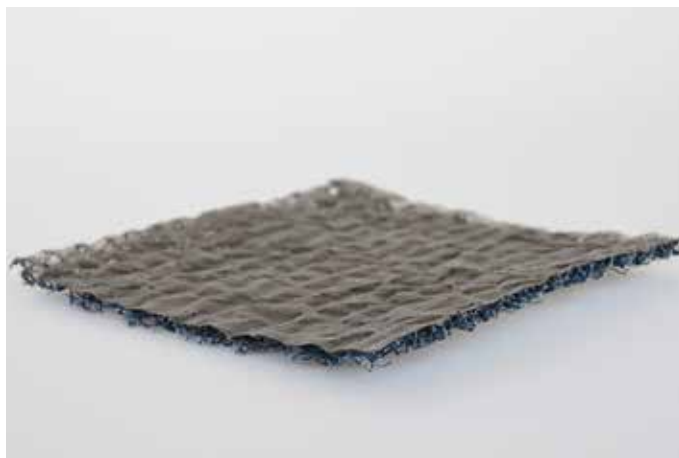


# ROOF GARDEN

## CGT Drainage/Filtration Layer



### Overview

The 0.375" and 0.75" Drainage/Filtration Layers are composed of an extruded polymer woven into an entangled cusped drainage matrix with a pre-attached filtration layer to prevent downward migration of fine soil particles. The filtration layer is manufactured with strong, durable, spun-bonded polyester fabric and will not unravel, fray or wrinkle. The 0.375" and 0.75" Drainage/Filtration Layers are ideal for promoting proper drainage and ventilation of growing media in extensive Roof Garden systems.

The 1.5" Drainage/Filtration Layer is composed of an extruded nylon matrix of tangled monofilaments, which are heat-welded at the junctions to form a resilient ventilation mat. The pre-attached filtration layer prevents downward migration of fine soil particles. The filtration layer is manufactured with strong, durable, spun-bonded polyester fabric and will not unravel, fray or wrinkle. The 1.5" Drainage/Filtration Layer is ideal for promoting proper drainage and ventilation of growing media in intensive Roof Garden systems.

### Features and Benefits

- » Fast and easy to install
- » Provides superior drainage of the growing media layer
- » Filter fabric prevents small growing media particles from migrating into the drainage layer
- » Cut to any desired shape using heavy-duty scissors

### Installation

Load the combination Drainage/Filtration Layer to the roof. Unroll and install parallel to slope. Do not overlap the drainage layer. A 3" overlap of filter fabric is provided at the seams.

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

### Typical Properties and Characteristics

Drainage Layer	Test Method	Value		
		0.375"	0.75"	1.5"
Material		Polypropylene	Polypropylene	Nylon
Width (ft)		4	4	4
Length (ft)		100	100	25
Thickness (in)		0.40	0.75	1.6
Weight (oz/yd <sup>2</sup> )		17	16.7	19.8
Flow Rate (gal/min)		≥10	≥10	≥10
Permeability (CFM)		N/A	50	N/A
<b>Filtration Layer</b>				
Material		Polyester		
Weight (oz/yd <sup>2</sup> )	ASTMD5261	2.1	2.1	2.1
Thickness (mils)	ASTMD1777	14	14	14
Grab Tensile (lbs)	ASTMD4632	80	80	80
Trapezoid Tear (lbs)	ASTMD4533	80	80	80
Flow Rate (gpm/ft <sup>2</sup> )	ASTMD4491	250	250	250

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

	Drainage Layer	Filtration Layer
Pre-consumer Recycled Content	40%	0%
Post-consumer Recycled Content	0%	0%
Manufacturing Location	Euclid, OH	Euclid, OH
Solar Reflectance Index (SRI)	N/A	N/A

### Packaging

Roll Size	Sheet Coverage	Weight
0.375" and 0.75" Layers - 4' x 100'	400 ft <sup>2</sup> (37.16 m <sup>2</sup> )	+/- 48 lbs (21.8 kg)
1.5" Layers - 4' x 25'	100 ft <sup>2</sup> (9.29 m <sup>2</sup> )	+/- 14 lbs (6.3 kg)