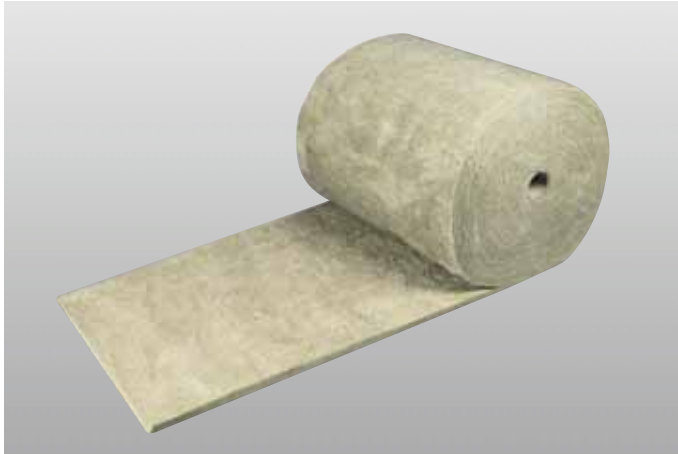


# ROOF GARDEN

## Hydro-blanket D13



### Overview

Carlisle's lightweight Hydro-blanket D13 is a needled mineral wool water retention and filtration mat for use in traditional Roof Garden installations. Hydro-blanket D13 is 1"-thick and is made of long virgin rock mineral fibers specifically needled to form a dimensionally stable product that retains more than 90% of its volume in water. The rock fibers create a high capillary capacity to naturally attract water and plant roots, promoting healthy Roof Garden vegetation.

### Features and Benefits

- » Superior water holding capacity for projects that must meet specific stormwater requirements
- » Lightweight, easy-to-install rolls
- » Promotes root growth and healthy vegetation
- » Helps to meet stringent stormwater requirements of the Maryland Department of the Environment and Montgomery County, Maryland, when used as part of Carlisle's traditional Roof Garden system
- » Compatible with Carlisle traditional Roof Garden systems and warranted up to 20 years

### Installation

1. Unroll and loose-lay Hydro-blanket D13 over the previously installed MiraDRAIN® drainage product.
2. Position adjacent rolls so that they overlap a minimum of 1" to ensure continuous filtration.
3. Start every other row with a partial roll to create staggered end joints.

Review Carlisle specifications and details for complete installation information.

### Roll Size

3.28' (1m) x 16.4' (5m) = 53.8 ft<sup>2</sup> (5m<sup>2</sup>)

### Packaging

Rolls packed in pallet box – 12 rolls per box (645.6 ft<sup>2</sup> per pallet)

### Typical Properties and Characteristics

Physical Property	Test Method	Units	Result
Thickness	ASTM D1777	in (mm)	1 (27.6)
Density		lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	8.43 (135)
Dry Weight	ASTM E2397	lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )	0.9 (4.4)
Saturated Weight	ASTM E2397	lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )	6.2 (30.1)
Water Retention	ASTM E2397	gal/ft <sup>2</sup> (L/m <sup>2</sup> )	0.635 (25.87)
		inches/ft <sup>2</sup> (mm/m <sup>2</sup> )	1.02 (278.87)
		Volume %	93

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	Slovenia