

Hydro-blanket D13



Overview

Versico'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 Versico's traditional Roof Garden system
- Compatible with Versico 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.
4. Multiple layers may be installed as required to meet project stormwater requirements.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Roll Size

3.28' (1m) x 19.68' (6m) = 64.55 ft² (6m²)

Packaging

Rolls packed in pallet box – 12 rolls per box (645.6 ft² per pallet)

Typical Properties and Characteristics

| Physical Property | Test Method | Units | Result |
|-------------------|-------------|--------------------|---------------|
| Thickness | ASTM D1777 | in (mm) | 1 (27.6) |
| Density | | lbs/ft³ (kg/m³) | 8.43 (135) |
| Dry Weight | ASTM E2397 | lbs/ft²(kg/m²) | 0.9 (4.4) |
| Saturated Weight | ASTM E2397 | lbs/ft² (kg/m²) | 6.2 (30.1) |
| Water Retention | ASTM E2397 | gal/ft² (L/m²) | 0.635 (25.87) |
| | | inches/ft² (mm/m²) | 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

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| Pre-consumer Recycled Content | 0% |
| Post-consumer Recycled Content | 0% |
| Manufacturing Location | Slovenia |