

SAMPLE MOSS GREEN ROOF SPECIFICATIONS

Roofing Component	Specifications
Waterproofing membrane	EPDM
Edging	permaloc® GeoEdge™ - a flexible, interlocking aluminum edge restraint and component system with an L-shaped profile.
Filter sheet	Polypropylene felt, 1/8" thick
Drainage barrier	<p>Colbond Enkadrain® - "retain and drain" nylon core felt of fused, entangled filaments and a geotextile water retention fabric bonded to one side.</p> <p>Nylon core thickness: .4 in Total weight: 14.1 oz/yd Colbond compressive load test <30,000 psf</p>
Growing medium	<p><i>Rooflite</i>® extensive mc - for extensive green roofs in multi-course construction. A mixture of mineral light weight aggregates such as HydRocks® and premium organic components.</p> <p>Approx. 80/20 Mineral/organic ratio by volume Bulk density: •Dry weight: 44-53 lbs/ft³ •At maximum water-holding capacity: 72-85 lb/ft³</p> <p>Application: 1.5" to 3" depth</p>
Water retention gel	<p>Horta-Sorb® Water Management Gel - used to absorb water and manage the resulting liquid in the growing medium. Made of cross-linked polyacrylamide copolymer.</p> <p>Less than 5% soluble Absorption capacity: 330-400 times in distilled water</p> <p>Application: Raked into top 1/2" of growing media prior to spreading moss fragments</p>
Vegetation	<p>Dry mix of 1/4" to 1/2" dormant moss fragments: 75% hypnum (sheet moss) 20% thuidium (fern moss) 5% dicranum (rock cap moss)</p> <p>Application: spread by hand to achieve 75% coverage</p>
Tacificying agent	<p>Tacking Agent 3™ (Profile Products LLC) Contains poly-acrylamide, co-polymers and hydro-colloid polymers. pH 7.0 +-1.0 60 lbs per acre</p> <p>Application: spread by hand over moss then watered in.</p>