

SkyScape™ Extensive Growing Medium

Item Description

Extensive Growing Medium

Item Number

W56SKY3000



Product Information

Description:

SkyScape Extensive Growing Media is a high-performance engineered soil, designed especially for vegetative roofs with 6.0" or less of growing media. Blended according to *FLL* guidelines from an engineered combination of organic and inorganic components, SkyScape Growing Media is designed for highly effective water management, and creates a dynamic and thriving environment for plant growth. Our proprietary blends of SkyScape Extensive Growing Media are created using regionally-sourced materials to ensure that the products used are optimal for each project's location within the USDA Hardiness Zone Map.

Method of Application:

1. SkyScape Extensive Media may be applied using blower trucks, or using 1.5 cubic-yard super sacks. Application by blower truck may be requested through Firestone Estimating Services at the time of project quotation; otherwise, application by super sacks will be quoted. Application by blower truck is performed by the truck operator.
2. Install all SkyScape Drainage, Edge Flashing, and any related components, according to their application instructions.
3. Crane super sacks and bring them to hover within 3-5 vertical feet of the vegetative roof area.
4. Cut the bottom of the sack using a box cutter and allow the media to deposit on the drainage materials.
5. Evenly spread the SkyScape Extensive Growing Media to the desired depth by lightly raking the media across vegetative roof area.
6. To help protect the vegetative roof system from weed contamination, install plants immediately after growing media is installed.

Storage:

- Deliver and store products in original packaging with Manufacturer's labels and materials list intact and signed off.
- Store Products in designated weather protected areas, and protected from environmental damage.
- Protect growing media stored at ground level from contamination by other soils, pollen, airborne seeds, excessive moisture, etc., by tarping the ground where the media will be stored prior to storing it, and by tarping over the media.

Shelf Life:

60 days

Coverage Rate:

N/A

SkyScape™ Extensive Growing Medium

Clean-Up:

- Gather and dispose all debris upon completion of work.
- Clean all surfaces and inspect final assembly for approval.

Precautions:

Wash hands, arms, and any exposed skin thoroughly after installation.

LEED® Information:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Varies with regional location of project

Physical Properties

Property	Test Method	Value	Performance
3/8"-3/16" Hydrocks Rotary Kiln Expanded Clay	ASTM C 29	Dry Loose Unit Weight	28lbs/cf to 34lbs/cf
	ASTM C 127	Specific Gravity	1.12 to 1.20, SSD
	ASTM C 127	Absorption	25% to 33%
	ASTM C 136	Sieve Analysis	#3/8 to 0
Plant Nutrients	TMECC 4.02D	Nitrogen	>1.2% dry weight
	TMECC - Calculation	Phosphorus	>0.50% dry weight
	TMECC - Calculation	Potassium	>0.50% dry weight
	TMECC 4.05	Calcium	>0.90% dry weight
	TMECC 4.05	Magnesium	>0.20% dry weight
Soluble Salts	TMECC 5.07-A	Organic Matter Content	>50% dry weight
Particle Size	TMECC 4.08-A	dS/m (mmhos/cm)	<4.0
Stability Indicator (respirometry)	TMECC 2.02-B	% under 9.5mm	95% or greater
Maturity Indicator (bioassay)	TMECC 5.08-F777	CO2 Evolution (mg CO2-C/g OM/day)	<2
Select Pathogens	US EPA Class A, 40 CFR 503.32(a)	Percent Emergence	85% or greater
		Relative Seedling Vigor	85% or greater
USGA Sand (5-30% by volume)	Sand Component	Particle Diameter	Recommendation (by weight)
	Fine Gravel	2.0-3.4 mm	Not more than 3%
	Very Coarse Sand	1.0-2.0mm	Not more than 10%
	Coarse Sand	0.5-1.0mm	Minimum 60% Total Coarse-Medium
	Medium Sand	0.25-0.50mm	
Fine Sand	0.15-0.25mm	Not more than 20%	

SkyScape™ Extensive Growing Medium

Property	Test Method	Value	Performance
Maximum Acceptable Weights	ASTM E 2399	Saturated Density	Loose = 76pcf wet weight, Rodded = 82pcf wet weight
		Drained Density	Loose = 42pcf wet weight Rodded = 51psf wet weight
Permeability	ASTM D 2434	Inches per hour	40in/hr or greater
Organic Matter	N/A	N/A	4.0% rate or better
Soil pH	N/A	N/A	6.0 - 7.0
Cation Exchange Capacity	N/A	N/A	7.5 or better
Estimated Nitrogen Release	N/A	N/A	Medium or higher as tested by soil analysis
Potassium	N/A	N/A	Medium or higher as tested by soil analysis
Magnesium	N/A	N/A	Medium or higher as tested by soil analysis
Calcium	N/A	N/A	Medium or higher as tested by soil analysis

TMECC = *Test Methods for the Examination of Composting and Compost*, US Department of Agriculture

Please contact your Firestone Building System Advisor at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.