

Technical Information Sheet



SKYSCAPE™ EXTENSIVE GROWING MEDIA

Item Description	Item Number
Extensive Growing Medium	Custom

DESCRIPTION

SkyScape Extensive Growing Media is a high-performance engineered soil, designed especially for vegetative roofs with 6.0" (25 mm) or less of growing media. Blended according to Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau (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 1.5 yd³ (1.15 m³) super sacks. Application by blower truck may be requested through Elevate 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 (0.9 – 1.5 vertical meters) 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

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
 NOTE: LEED® is a registered trademark of the U.S. Green Building Council

TYPICAL PROPERTIES			
Property	Test Method	Value	Performance
¾"-3/16" (9.5-4.8) Hydrocks Rotary Kiln Expanded Clay	ASTM C 29 ASTM C 127 ASTM C 127 ASTM C 136	Dry Loose Unit Weight Specific Gravity Absorption Sieve Analysis	28 lb/cf to 34 lb/cf (449 kg/m ³ -545 kg/m ³) 1.12 to 1.20, SSD 25% to 33% #% to 0
Plant Nutrients	TMECC 4.02D TMECC-Calculation TMECC-Calculation TMECC 4.05 TMECC 4.05 TMECC 5.07-A	Nitrogen Phosphorus Potassium Calcium Magnesium Organic Matter Content	>1.2% dry weight >.50% dry weight >.50% dry weight >.90% dry weight >.20% dry weight >.50% dry weight
Soluble Salts	TMECC 4.08A	ds/m (mmhos/cm)	<4.0
Particle Size	TMECC 2.02-B	% under 9.5 mm	95% or greater
Stability Indicator (respirometry)	TMECC 5.08-F777	C02 Evolution (mg C02-c/g OM/day)	---
Maturity Indicator (bioassay)	TMEC 5.05-A	% Emergence, Relative Seedling Vigor	85% or greater
Select Pathogens	US EPA Class A, 40 Cfr 503.32 (a)	Pass/Fail	Pass
USGA Sand (5-30% by volume)	Sand Component Fine Gravel Very Coarse Sand Coarse Sand Medium Sand Fine Sand	Particle Diameter 2-3.4 mm 1-2 mm .5-1 mm .25-.5 mm .15-.25 mm	Recommendation (by weight) Not more than 3% Not more than 10% Min. 60% total Coarse-Med Min. 60% total Coarse-Med Not more than 20%
Max. Acceptable Weights	ASTM D 2399	Saturated Density	Loose=76 pcf wet weight, Rodded= 82 pcf wet weight
		Drained Density	Loose=42 pcf wet weight, Rodded= 51 pcf wet weight
Permeability	ASTM D 2434	Inches per hour	40 in/hr or greater
Organic Matter	N/A	N/A	4% 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			
Magnesium			
Calcium			

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

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Amrize takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Amrize nor its representatives practice architecture. Amrize offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Amrize 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 Amrize representative is authorized to vary this disclaimer.