



Between the World
and The Weather
Since 1928

Ram Aeration 600 for Greenroof-Roofscapes®

PRODUCT DESCRIPTION

Ram Aeration 600 is a composite mat designed to create free air space and a drainage path for incidental moisture occurring directly above the insulation in a Barrett Greenroof-Roofscape® vegetated roof assembly.

The mat consists of nylon filaments which are entangled in a elliptical high-loft pattern with a polyester geotextile filter fabric bonded to the topside. This unique design offers geometry that combines the benefit of compressive strength with a spring-like structure that can recover from temporary point loading.

USE

Accelerates the removal of residual moisture from the insulation surface and the underlying membrane, promoting greater thermal efficiency. The mat also provides the necessary aeration for the Greenroof-Roofscape® vegetated roof system.

FEATURES

- Lightweight composite
- Conforms to irregular surfaces, including around corners
- Air movement helps remove moisture not essential to the greenroof's performance
- Geotextile protects against blockage of air and moisture flow
- Remains flexible at cold temperatures
- Large rolls limit seams

BENEFITS

- Ease of installation reduces cost
- Removes excess moisture increasing insulation values
- Improved insulation values save energy, reduce pollution
- Environmentally friendly product and installation

APPLICATION GUIDELINES

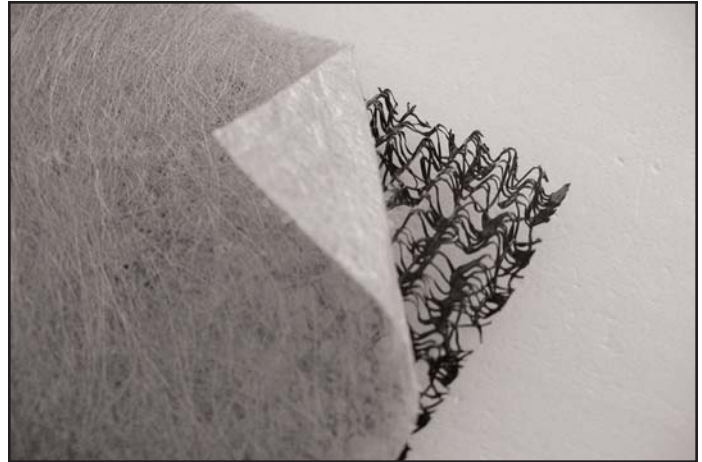
Starting at the low points, apply mat over insulation with fabric oriented in upward position. At the side laps, glue or tape fabric overlap 2 feet on centers with 4 inch fabric tab lapping over the previously installed material. End laps are installed by pulling back the fabric 6 inches, nesting the next roll of material into the exposed 6 inch fabric flap, taping it in place and proceeding with installation.

Temporary ballast may be used to keep aeration course in place until the overburden is installed.

At walls and roof penetrations, terminate the aeration mat by turning it up to the top of the soil media.

PACKAGING

Roll Diameter	19.5 in.
Roll Width (less flap)	39 in.
Roll Width (with flap)	42 in.
Roll Length	151 ft.
Coverage	490 sq. ft.
Gross Roll Weight	40 lbs.



PHYSICAL PROPERTIES

	Test Method	Results
Core Material		Nylon 6
Thickness (inches)	–	0.17
Weight (oz/yd ²)	ASTM D-5261	6.0
Geotextile		Polyester
Weight (oz/yd ²)	ASTM D-5261	3.53
Puncture Resistance (lbs)	ASTM D-4833	35
Flow Rate (gpm/ft ²)	ASTM D-4491	185

APPLICATION PRECAUTIONS

- Do not expose to temperatures greater than 300°F or open flames
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL CONTRACTORS USE ONLY**

PRODUCT SAFETY INFORMATION

Ram Aeration 600 offers no unusual health or safety risks for a product of this nature. As with any roofing process, proper safety and personal protection are important.

For specific information, contact the Barrett Company for a current Material Safety Data Sheet on this product.

The user should not assume that all safety measures are indicated or that other measures may not be required.

Note

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