

1. Product Name

Dri-Mat™ Drainage Membrane

2. Manufacturer

Formulated Materials, LLC
3010 NW 149th St., SUITE 100
Oklahoma City, OK 73134
Tech Services : (844) 405-3676

www.formulatedmaterials.com

www.formulated.info

3. Product Description

Dri-Mat™ Drainage Membrane is a low-profile drainage mat that quickly diverts sub-surface water from balconies. Installed between the Elevation waterproofing system and the concrete topping slab, it ensures continuous drainage while preventing moisture entrapment. Its scrim layer allows water to pass through, preventing concrete from clogging the drainage plane. At just 1/4 inch thick, Dri-Mat™ Drainage Membrane requires no framing or T-Bar modifications.

As a key part of the Elevation Waterproofing System, Dri-Mat™ prevents water buildup in the concrete slab, reducing risks like efflorescence, spalling, and freeze/thaw damage. Proper drainage protects the structure and extends the balcony's lifespan.

Key Features

- Durable compression-resistant cusped HDPE.
- UV Stable material may be exposed to outdoor conditions without degradation.
- Conforms to irregular surfaces, ensuring complete coverage.
- Provides additional waterproof protection over the S60 waterproofing membrane.
- Excellent Flow enhances water drainage and mitigates water retention.
- Dri-Mat™ reduces labor and material costs compared to alternative drainage solutions.
- Composed of 80% post-consumer recycled content, supporting LEED Contribution.

Suitable Substrates

- Intended for use directly over the completely installed waterproofing membrane.

Product Composition

HDPE cusped design bonded to a non-woven polypropylene fabric.
Minimum 80% post-consumer recycled content.

Product Limitations

- Surfaces must be clean and free of foreign matter.
- Avoid prolonged exposure to UV Radiation.
- Avoid exposure to solvents.

These limitations are not to be construed as all inclusive.



Packaging

- 48" x 100' roll – 400 sq ft.
- 6 rolls per pallet.

4. Technical Data

Applicable Standards

ASTM Test	Standard
D-5261	Standard Test Method for Measuring Mass Per Unit Area of Geotextiles
D-4833	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products
D-4751	Standard Test Method for Determining Apparent Opening Size of a Geotextile
D-4491	Standard Test Methods for Water Permeability of Geotextiles by Permittivity

Technical Chart

Property	Test Method	Results
Appearance		Black with bonded Black Fabric
Weight	ASTM D-5261	6.24 oz/yd ² , 211.57 g/m ²
Roll Weight		54 lbs, 24.5 kg
Compression Resistance		Greater than 10,000 psf
VOC Content		0 g/L maximum
UV Stable		UV Stable
Flow Rate	ASTM D-4491	183 GPM/ft ² , 0.114 m ³ /hr/m ²
AOS	ASTM D-4751	1/125, .211 mm
Puncture Strength	ASTM D4833	65 lbs, .29 kN

Environmental Considerations

Formulated Materials is dedicated to environmental responsibility in product development and manufacturing processes. When used per applicable guidelines, this product may contribute to LEED® certification.

5. Instructions

General Surface Prep

Ensure the surface is clean, dry and structurally sound. Repair any cracks, spalling, or unstable areas. Remove dust, dirt, oil, grease, and contaminants. Use mechanical methods (grinding, sanding) if needed. Verify moisture levels meet product requirements. Address excessive moisture if necessary. Apply primer as specified and allow it to dry thoroughly. Maintain recommended temperature and humidity. Avoid extreme conditions. Perform a final check to clear debris and confirm the surface meets all preparation guidelines before application.

Installation of Product

Always read the Safety Data Sheet (SDS) for full precautionary instructions before use.

Tools Required

- Utility Knife (for trimming the mat to fit around obstacles).
- Tape Measure (to ensure proper layout and coverage).
- FM 4" Flashing Tape (for securing seams where needed).
- Broom or Leaf Blower (to ensure the surface is free of debris before installation).
- Hand Roller (to ensure the mat is seated correctly and adhered where necessary).

Installation Process

1. Surface Preparation: Ensure that the Elevation S60 waterproofing membrane is installed per specifications and is free of debris or standing water.
2. Roll Out Dri-Mat™: Unroll Dri-Mat™ over the waterproofed surface – Scrim-Side-Up – ensuring complete coverage from edge to edge.

3. Seaming: Install Dri-Mat so all seams are butted against one another. Ensure seams run from the exterior wall to the front edge of the balcony to prevent water from crossing seams. Use Elevation 4" Flashing Tape or Flood Tape to secure seams.
4. Perimeter Detailing: Trim the Dri-Mat™ to fit around obstructions, corners, or perimeter terminations. Install Dri-Mat against the T-Bar nailer flange, leaving 1/4" of space between them. Bridge the gap with Elevation 4" Flashing Tape. Do not allow the Dri-Mat to overlap the T-Bar nailer flange.
5. Concrete Placement: Carefully pour the concrete topping slab over the Dri-Mat™, ensuring even distribution. The integrated scrim prevents the concrete from penetrating the drainage mat, preserving its functionality.

Proper installation of Dri-Mat(TM) Drainage Membrane is an important contribution to an overall water management strategy to protect the structure from water intrusion and extend the lifespan.

6. Availability

Item	Description	Size	Color
10208	Dri-Mat™	RL - 48" x 100' - 400 sf	Black

7. Product Warranty

For details and complete warranty information, visit www.formulatedmaterials.com

8. Product Maintenance

Properly installed products do not require ongoing maintenance.

9. Technical Services Information

For Technical Services, contact Formulated Materials at (844) 405-3676

10. Filing System

Additional product information is available from Formulated Materials upon request.



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