

Technical Data/ Product Specifications

3M

Nomad™ Scraper Matting 6050

(Formerly 3M™ Nomad™ Cushion Plus Medium Traffic Backed Matting)

- 1.0 Product Description** The product is a matting material having nonwoven continuous vinyl filaments bonded together to form an open, attractive walking surface. The integral, fused, all-vinyl foam backing provides cushioning. Overall, the mat provides a comfortable walking surface, collects dirt, and helps to stop dirt from being tracked into a building.
- 2.0 Intended Use** For use as an entry mat in areas where tracked in dirt and retracking of dirt is a problem. Backing helps prevent dirt and water from reaching the floor surface. Applications include entryways, hallways, and computer rooms. Not recommended in kitchens, greasy or oily areas, or areas that are constantly wet.
- 3.0 Standard Sizes**
- Standard mats with nosing on width ends only:
3 feet x 10 feet (0.9m x 3.0m): Slate (gray) and Dove (brown) only
- Standard mats without nosing:
3 feet x 20 feet and 4 feet x 20 feet (0.9m x 6.0m and 1.2m x 6.0m):
Ebony, Slate (gray), Dove (brown), Blue and Forest only
- Small mats with 4-side edging:
22 inches x 34 inches, 3 feet x 5 feet and 4 feet x 6 feet
(55cm x 86cm, 0.9m x 1.5m and 1.2m x 1.8m)
- Custom lengths:
Widths: 3 feet or 4 feet (0.9m or 1.2m)
Lengths: 2 feet to 40 feet in 1-foot increments
(0.6m to 12.1m in 0.3m increments)
- Custom cuts:
Widths: 2 feet to 12 feet (0.6m to 3.6m)
Lengths: 2 feet to 60 feet (0.6m to 18.2m)
- 4.0 Colors** Ebony, Slate (gray), Concrete (light gray), Seagrey, Cabernet, Red, Dove (brown), Chestnut (dark brown), Blue, Silver, Forest
- 5.0 Requirements** The product shall be made of all-vinyl nonwoven continuous filaments bonded together and embedded into an all-vinyl foam backing to form a durable, resilient, water-resistant matting.

**5.0 Requirements
(continued)**

Detailed Requirements:

<u>Property</u>	<u>Typical Values</u>	
Thickness ASTM D418-68	Minimum: 0.45 inches (11 mm)[1]	
Weight ASTM D-418	Minimum: 4.2 lb/yd ² (2.3 kg/m ²)	
Microbiological Properties ASTM G-21-90	Inhibiting to fungal growth in the mat.	
Flammability DOC FF 1-70 ASTM E-648 NFPA-253 [2]	Passes Passes 0.81 watts/cm ² (no ignition)	
Electrostatic Propensity AATCC 134, Neolite soles	<u>Step</u> -0.25 KV Negative	<u>Scuff</u> +1.38 KV Positive
ASTM D-149 Dielectric Strength	6.4 kilovolts	
Chemical Resistance: [3]		
Water	Excellent [4]	
1% Soap	Excellent	
5% Acetic Acid	Excellent	
5% Sodium Hydroxide	Excellent	
50% Ethyl Alcohol	Good	
Hydrocarbon Solvents [5]	Poor	
Chlorinated Hydrocarbon Solvents [6]	Poor	
Gasoline	Poor	
Cooking Oil [7]	Poor	

[1] Product may be compressed in package. Thickness is manufactured loft before packaging.

[2] Meets or exceeds requirement for NFPA Class I. Recommended critical average radiant flux to be greater than 0.5 for institutional use, greater than 0.25 for residential and commercial use.

[3] AATCC Test Method 134.

[4] Excellent – Slight effect on product, less than 1% weight loss.

Good – product stiffens or discolors somewhat, less than 3% weight loss.

Poor – product becomes unsuitable for use. 3M™ Nomad™ Scraper Matting 6050 should not be used where it will regularly contact these chemicals

[5] Odorless Mineral Spirits

[6] Methylene Chloride, Perchloroethylene, Chloroform

[7] Peanut Oil

6.0 Packaging and Marking

Packaging: Pre-Cut Mats – one per case except 22 in. x 34 in. (6 per case)

Marking: Each carton shall be marked with product name, size, color, and manufacturer's trade name.

7.0 Installation, Seaming and Edging

Custom Cutting

3M™ Nomad™ Scraper Matting 6050 can be easily custom cut without edges fraying. Length and width dimensions may change during use. Wall-to-wall installations are not recommended.

Tools needed:

- Utility knife
- Straight edge, 3-4 feet (1.1.3m) long
- If matting is to be cut to close specifications, be certain it is relaxed and not stretched. Unroll matting and allow to lie undisturbed for 24 hours at room temperature.
- Use a utility knife and straight edge for cutting. Do not use scissors.
- If it is necessary to move matting after cutting, roll it loosely to avoid stretching.

Seaming:

3M™ Nomad™ Scraper Matting 6050 can be seamed together to make mats wider or longer than standard sizes.

Materials needed:

- 3M™ Matting Seaming Tape (kit or roll)
- 3M™ Matting Adhesive (one 3-ounce tube of adhesive will seam 15 linear feet [4.5 meters] of matting)
- Before seaming, be certain that matting is relaxed and not stretched. Unroll matting and allow to lie undisturbed for 24 hours at room temperature. Avoid stretching or pulling on mat when seaming.
- Use pieces from the same roll to assure that color, shade and texture are the same.
- Maximum recommended mat size is 80 sq. ft. (7.2 sq. meters).

You may want to use smaller mats for ease of handling and maintenance.

1. Place pieces of matting to be seamed side by side on a clean Surface.
2. Unroll 3M™ Matting Seaming Tape between the two pieces of matting to be joined. Cut tape to length.
3. Position the pieces of matting on the seaming tape so that each piece's edge covers half the width of the tape. Be sure the pieces of matting touch at the tape center but do not overlap or buckle.

7.0 Installation, Seaming and Edging (continued)

4. Fold back the edge of one piece of the matting along the full length of the seam.
 5. When applying adhesive work rapidly. Adhesive may cause wrinkling of the seaming tape if the matting is not joined within 5 minutes of applying the adhesive. Apply adhesive in a continuous "zig-zag" pattern staying ¼" (6 mm) from the outside edge of the exposed half of the seaming tape.
 6. Return the folded edge of the matting to its original position and apply moderate pressure to bond the adhesive.
 7. Fold back the second piece of matting along the full seam length.
 8. Apply two additional beads of adhesive, the first along joint of seaming tape and the first piece of matting, and the second in a wavy pattern ¼ inch (6mm) from the outside edge of the exposed half of the seaming tape.
 9. Return the folded back edge of the matting back to its original position and press firmly. At the same time, gently push both pieces of matting together to eliminate any gaps.
10. Place a weight, such as a board, along the full length of the seam to maintain pressure on the bond. Allow to dry undisturbed for at least eight hours before placing it into service.

Applying Matting Edging:

Edging can be easily applied to 3M™ Nomad™ Scraper Matting 6050 to form a tapered edge.

Tools and Materials Needed:

- Utility knife
 - Straight edge, 3-4 feet long (1-1.3 meters)
 - 3M Matting Edging – Medium Profile
 - 3M Matting Adhesive (one 3-ounce tube of adhesive will apply approximately 15 linear feet of edging.)
- Before applying edging ensure that matting and edging are relaxed and not stretched. Unroll matting and edging and allow to lie undisturbed for 24 hours at room temperature. Do not stretch or pull on matting when applying edging.
 - Apply edging to opposite side of matting where most people will walk. Recommended maximum edge length is 12 feet (4 meters).
1. Arrange mat on floor so that sides to be edged are straight. Trim edges with a utility knife (not scissors) and a straight edge if necessary (see Custom Cutting).
 2. Cut a piece of edging the same length as the edge of mat.
 3. Place edging flat on the floor, grooved side up.
 4. Apply two beads of adhesive liberally to the top of edging.
 5. Place edge of mat on top of edging groove containing adhesive. Gently work mat snugly into the corner of edging groove to ensure a good fit.
 6. Place a weight, such as a board, along the full length of edging to maintain pressure on the bond. Allow to dry undisturbed for at least 8 hours before placing it into service.

8.0 Cleaning and Maintenance

Daily Maintenance

Vacuum daily.

Use an upright beater-brush dry vacuum adjusted to its most powerful setting. Move nozzle slowly over mat to allow time for dirt to be picked up.

In heavier traffic areas or at pivot points, rotate matting end for end when repositioning.

Important: Keeping the backing of the mat clean is critical in minimizing the mat “walking”. Floor under mat must also be kept clean (swept and/or damp mopped underneath mat).

Weekly Maintenance:

1. Remove matting from service.
2. Turn matting over and run beater bar, dry vacuum on back side of matting.
3. Pick up matting.
4. Clean up dirt/debris from floor (sweep, vacuum, damp mop, etc.)
5. Place matting back in service and vacuum top surface of matting.

Wet Conditions for Mats and Rolls:

1. Use an extractor or wet vacuum to remove as much water as possible from mat.
2. Allow mat to dry. Hang up if necessary. Use of fan or blower will reduce dry time.

Restorative Maintenance:

Frequency of restorative maintenance will depend on the amount of traffic and soil in the area of application.

1. Wet matting with diluted solution of 3M™ Carpet Pretreatment or 3M™ Carpet Extraction Cleaner.
2. Loosen dirt using a rotary brush.
3. Extract at least two times. (If heavily soiled, repeating this procedure may be required.)
4. Let mat dry.

OR

High Pressure Washer

Use high pressure washer (i.e., at self-service car wash).

1. Hang mat up.
2. Wash mat thoroughly.
3. Rinse mat thoroughly.
4. Let mat dry. Rotary Shampoo and Extract

9.0 Weight and Cube per Case

Size	Approximate Weight	Cube
22 in. x 34 in. (6/case)	14 lb.	2.9 cu. ft.
3 ft. x 5 ft. (1/case)	11 lb.	1.3 cu. ft.
4 ft. x 6 ft. (1/case)	15 lb.	1.5 cu. ft.
3 ft. x 20 ft.	31 lb.	3.5 cu. ft.
4 ft. x 20 ft.	43 lb.	5.6 cu. ft.

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Important Notice:

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3M

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