



# 3M™ Nomad™ Medium Traffic Backed Scraper Matting 6050

## Technical Data Sheet

April 2014

### 1) Product Description

The product is a matting material having nonwoven continuous vinyl filaments bonded together to form an open walking surface. The integral, fused, all-vinyl foam backing provides cushioning. The mat provides a comfortable walking surface, collects dirt, and helps to stop dirt from being tracked into a building.

### 2) Intended Use

For use as an entry mat in areas where tracked in dirt and re-tracking of dirt are 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) Colors

Black, Gray, Brown, Blue, Green, Red

### 4) Physical Requirements

The product is made of vinyl nonwoven continuous filament bonded together and embedded into an all-vinyl foam backing to form a durable, resilient, water-resisting matting.

#### *Property:*

#### *Typical Values:*

##### **Weight**

ASTM D-418

4.21 lb/yd<sup>2</sup> (2.3/kg/m<sup>2</sup>)

##### **Thickness**

ASTM D418-68

0.45 inches (11 mm)[1]

##### **Microbiological Properties**

ASTM G-21-90

Passes – Inhibiting to fungal growth in the mat

##### **Flammability**

DOC FF 1-70

Passes

ASTM E-648

Passes

NFPA-253[2]

0.81 watts/cm<sup>2</sup> (no ignition)

##### **Electrostatic Propensity**

##### Step

##### Scuff

AATCC-134, Neolite soles

-0.25 KV Negative

+1.38 KV Negative

ASTM D-149 Dielectric Strength

6.4 kilovolts





**Chemical Resistance** - All tests 7 days @ 72°F (22°C) unless otherwise noted

Water	Excellent*
1% Detergent Solution	Excellent
5% Acetic Acid	Excellent
5% Sodium Hydroxide	Excellent
50% Ethyl Alcohol	Good
Hydrocarbon Solvents(Odorless Mineral Spirits)	Poor
Chlorinated Hydrocarbon Solvents(Methylene Chloride, Perchloroethylene, Chloroform)	Poor
Gasoline	Poor
Cooking Oil (peanut oil)	Poor
<b>Excellent</b> – No observed effect on product - <b>Good</b> – Product stiffens or discolors slightly- <b>Poor</b> – Product becomes unsuitable for use.	

### 5) Installation, Seaming and Edging

Open the box, roll the mat out in the area to be covered and allow it to reach room temperature. If the mat is to be cut, see custom cutting instructions below.

**Custom Cutting**

3M™ Nomad™ Medium Traffic Backed 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 (1.13m) long

- If matting is to be cut to close specifications, be certain it is relaxed and not stretched. Unroll matting and allow it to lay 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 after cutting, roll it loosely to avoid stretching

**Seaming:**

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

**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 it to lay 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.
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 seam tape if the matting is not joined within 5 minutes of applying the adhesive. Apply adhesive in a continuous "zig-zag" pattern staying ¼ inch (6mm) 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 ½ 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™ Medium Traffic Backed 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 it 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 the edging to maintain pressure on the bond. Allow to dry undisturbed for at least 8 hours before placing it into service.

During packaging, vinyl matting products can become compressed which is a natural occurrence due to the weight and pressure that can be experienced during the packaging, shipping and storage process. Usually the vinyl mat will re-loft itself within 24 hours after it is removed from the package. If the mat does not meet the fullness and appearance expected in that time frame, the vinyl mat may be re-lofted. Here are the steps for installation and re-lofting of the vinyl mat



Here are the steps for installation and re-lofting of the vinyl mat:

#### *Re-lofting Mat*

1. Unroll the matting and allow the mat to reach room temperature, allow the mat to reach room temperature or a minimum 72° F ( 22°C) for 24 hours.
2. For areas that need additional re-lofting, pass a hair dryer over the area that is to be re-lofted, with the hair dryer set at medium or high temperature and a distance of a minimum 4 inches to 8 inches (10.6 mm to 20.3 mm) away from the matting at all times during the process.

## 6) Cleaning and Maintenance

### *Daily Maintenance*

1. **Vacuum daily.** Use an upright beater-brush dry vacuum adjusted to its most powerful setting. Move vacuum slowly over mat to allow time for dirt to be picked up.
2. In heavier traffic areas or at pivot points, rotate matting end for end when repositioning.
3. Important: Floor under mat must also be kept clean (swept and/or damp mopped underneath mat). The underside of the mat must be clean and damp mopped in heavy dust and debris areas.

### *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.



3M™ Nomad™ and 3M™ Safety-Walk™ vinyl matting has been certified by the National Floor Safety Institute (NFSI) as providing a "high traction" backing. NFSI tested these 3M™ mats using its NFSI 101-C Test Method for Measuring Dry Transitional Coefficient of Friction (TCOF) of Floor Mat Backing Materials and found each mat to have a TCOF of greater than 0.05. According to NFSI, mats lacking the high-traction backing offered by 3M™ matting are more prone to movement, which can increase the risk of migration, buckling, and curling, which, in turn, can contribute to slip, trips, and falls.

### **Important Notice:**

**Product Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the performance of 3M™ Nomad™ Entrance Matting System products, including the type and preparation of the surface, and the conditions of use. User is solely responsible for evaluating the product and determining whether it is fit for user's particular purpose and adequately maintained.

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