

# 3 Matting Seaming Tape

- 1.0 Product Description**      The product is a .022 inch thick, oil-resistant vinyl tape for seaming together vinyl or vinyl backed matting, such as 3M™ Nomad™ Matting or 3M™ Safety-Walk™ Matting. The product has a release paper on one side and is available in rolls or kits.
- 2.0 Intended Use**      For use with all 3M™ Nomad™ Matting and 3M Safety-Walk™ Matting products to make wider or longer mats.
- 3.0 Standard Sizes**      2.0 in. x 10 ft. roll in a kit also containing a 3 ounce tube of 3M™ Matting Adhesive  
  
2.0 in. x 100 ft. roll
- 4.0 Color**      Brown
- 5.0 Requirements**      The product is made of a durable vinyl that is oil, water, weather and environmentally resistant.

Detailed Requirements:

<u>Property:</u>	<u>Value (Typical)</u>
Thickness (minimum) ASTM D418-68	0.022 inches (0.50 mm)
Flammability DOC-FF-1-70 (Pill Test)	Passes
Extended Use Temperature	-20°F to 120°F (-29°C to 49°C)
Chemical Resistance[1]	
Water	Excellent[2]
10% Salt Water	Excellent
Chlorinated Water	Excellent
Tri-Sodium Phosphate	Excellent
5% Detergent Solution	Excellent
Peanut Oil	Good
24% Sulfuric Acid	Excellent
10% Hydrochloric Acid	Excellent
Ethyl Alcohol	Good
Sodium Hydroxide	Excellent
Hexane	Good

## 5.0 Requirements (continued)

Methylene Chloride (Paint Remover)	Poor
Mineral Spirits	Good
Gasoline	Good
Motor Oil	Excellent
Diesel Fuel	Good
Transmission Fluid	Excellent
25% Acetic-Acid	Good
Cutting Oil	Good

[1] All test 7 days @ 72°F (22°C) unless otherwise noted

[2] Excellent – No observed effect on product

Good – Product stiffens or discolors slightly

Poor – Product becomes unsuitable for use. 3M™ Matting

Seaming Tape should not be used where it will regularly contact these chemicals.

## 6.0 Packaging and Marking

Packaging: Kits: 10 per carton.  
Rolls: 5 per carton

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

## 7.0 Weight and Cube per Case

	<u>Approximate Weight</u>	<u>Cube</u>
10 Kit Case	9.08 lb. (3.97 kg)	0.75 cubic ft. (0.021m <sup>3</sup> )
5 Roll Case	17 lb. (7.43 kg)	0.55 cubic ft. (0.0155m <sup>3</sup> )

## 8.0 Seaming

Seaming:  
3M™ Matting can be seamed together to make mats wider or longer than the standard sizes.

Materials needed:

- 3M™ Matting Seaming Tape (kit or roll)
  - 3M™ Matting Adhesive (one 3-ounce tube of adhesive will seam 15 lineal feet of matting).
- Before seaming, be certain that the matting is relaxed and not stretched – unroll the matting and allow it to lie undisturbed for 24 hours at room temperature. Avoid stretching or pulling on the 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).
1. Place pieces of matting to be seamed side by side on a clean surface. Note: Be sure the arrow markers printed on the back of each piece of matting point in the same direction. This will provide a nearly invisible seam after the mats have been joined.
  2. Unroll 3M™ Matting Seaming Tape between the two pieces of matting that are to be joined and cut the tape to length.
  3. Position the two pieces of matting on the seaming tape so that the edge of each piece covers half the width of the tape. Be sure the

## **8.0 Seaming (continued)**

two pieces of matting touch at the center of the tape 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. Apply a continuous wavy bead of adhesive ¼” from the outside of the outside edge of the exposed half of the seaming tape.  
Note: When applying adhesive, work rapidly. Adhesive may cause wrinkling of the seaming tape if the matting is not joined within ten minutes of applying the adhesive.
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 entire length of the seam.
8. Apply two additional beads of adhesive. The first bead should be applied along the joint of the seaming tape and the first piece of matting. The second bead should be applied in a wavy pattern ¼” from the outside edge of the exposed half of the seaming tape.
9. Return the folded edge of the second piece of 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 continue pressure on the bond. Allow to dry undisturbed for at least 8 hours before placing the mat into service. Remove release liner from seaming tape.

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### **Important Notice:**

This flyer is intended to be an introductory summary. The information provided is based upon typical conditions and is believed to be reliable; however, due to the wide variety of intervening factors 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M.



### **Commercial Care Division**

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