

Technical Data/ Product Specifications



Safety-Walk™

Cushion Mat 3600

1.0 Product Description

The product is a durable, foamed vinyl mat having a medium profile and an open, continuously patterned surface. Its open construction allows liquids and small solids to run easily through the mat. The foamed vinyl provides a comfortable surface for walking or standing and helps reduce slips and mat movement.

2.0 Intended Use

For use as an anti-fatigue mat in areas where workers are standing or walking. The mat is intended to reduce muscle discomfort due to fatigue.

This mat should not be used in greasy/oily areas.

3.0 Standard Sizes

Finished Mats:

Integral edging on the 35 in. sides:

35 in. x 2 ft.	0.89m x 0.6m
35 in. x 5 ft.	0.89m x 1.5m
35 in. x 10 ft.	0.89m x 3.0m

2-sided beveled edging (black mat; black or yellow edging):

35 in. x 2 ft. (black, yellow)	0.89m x 0.6m
35 in. x 5 ft. (black, yellow)	0.89m x 1.5m
35 in. x 10 ft. (black, yellow)	0.89m x 3.0m

4-sided beveled edging (black mat; black or yellow edging):

38 in. x 2 ft. (black, yellow)	0.97m x 0.6m
38 in. x 5 ft. (black, yellow)	0.97m x 1.5m
38 in. x 10 ft. (black, yellow)	0.97m x 3.0m

Other sizes up to 10 feet long are available on a custom basis.

4.0 Color

Black

Available with black or yellow edging.

5.0 Requirements

General Requirements:

The product shall be made of foamed vinyl nonwoven continuous filaments bonded together to form a durable resilient mat.

Detailed Requirements:

Property:	Value:
Weight (typical) ASTM D418-68	12 lbs/yd ² (6.4 kg/m ²)
Thickness (typical)[1] ASTM D418-68	0.55 inches (14 mm)
Width (typical) ASTM D418-68	35 inches (0.90 m)
Flammability DOC FF-1-70 (pill test)	Passes
Microbiological Properties ASTM-G-21-90	Inhibiting to fungal growth
Crush Recovery from: Static Load (10 lbs/in ² , 0.7 kg/cm ² , for 24 hours)	91% recovery
Electrostatic Propensity (AATCC 134) Neolite soles: Step (polarity positive) Scuff (polarity positive)	1.13 kilovolts 0.5 kilovolts
Volume Resistivity	1 x 10 ¹⁰ ohms-cm
Chemical Resistance[2,3]	
Acetic acid	Poor
Peanut Oil	Fair
5% NaOH (Sodium Hydroxide)	Excellent
Transmission fluid	Fair
Brake fluid	Fair
Motor Oil	Fair
Mineral spirits	Poor
50% EtOH (Ethanol)	Excellent
Methylene Chloride	Poor
Soapy water	Excellent
Water	Excellent
Bleach, 5.25% Sodium Hypochlorite	Excellent
Toner powder[4]	Fair

**5.0 Requirements
(continued)**

Coefficient of Friction	
MIL-D-17951D(SH)	
Dry leather	1.0
Dry rubber	1.5
Wet leather	1.1
Wet rubber	1.2

- [1] Product may be compressed in package. Thickness is recovered loft.
- [2] Complete immersion for seven days at 72°F
- [3] Excellent – less than 5% weight change
Fair – less than 6% weight change
Poor – Greater than 6% weight change
- [4] Prolonged exposure may cause mat to become sticky

**6.0 Packaging and
Marking**

Packaging: One mat per carton except 35 in. x 2 ft. (four per carton) and 38 in. x 2 ft. (four per carton).

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

**7.0 Weight and Cube
per Case**

35 in. x 2 ft.

Integral 2 sides edges	43.5 lbs./3.1 cu. ft.	19.7 kg/88 dm ³
Beveled 2 side edges	46.3 lbs./3.1 cu. ft.	21.0 kg/88 dm ³
Beveled 4 side edges	52.6 lbs./5.3 cu. ft. *	23.9 kg/150 dm ³

35 in. x 5 ft.

Integral 2 side edges	27.4 lbs./1.4 cu. ft.	12.4 kg/40 dm ³
Beveled 2 side edges	28.1 lbs./1.4 cu. ft.	12.8 kg/40 dm ³
Beveled 4 side edges	31.9 lbs./2.0 cu. ft. *	14.5 kg/57 dm ³

35 in. x 10 ft.

Integral 2 side edges	51.7 lbs./2.3 cu. ft.	23.5 kg/65 dm ³
Beveled 2 side edges	52.3 lbs./2.3 cu. ft.	23.7 kg/65 dm ³
Beveled 4 side edges	59.5 lbs./3.1 cu. ft. *	27.0 kg/88 dm ³

* Beveled four side edged is 38 in. wide

**8.0 Installation
Preparation**

Note: Before placing mat into service, allow it to lie flat for at least 24 hours at a minimum temperature of 68°F. If any edge curl is noticeable after 24 hours, roll up mat opposite the curl and leave it rolled up for one (1) hour before installation. Do not install mat until it lies flat.

1. Thoroughly clean floor area where the mat will be installed.
Remove all grease, oil, water, debris, etc. Use a cleaning chemical suitable for the type of soil condition.
2. Allow cleaned floor to dry before installing mat. Ensure mat lies flat.
3. 3M™ Safety-Walk™ Cushion Mats may be cut with a standard utility knife to custom fit any area.
4. Seaming mats together is not recommended.
5. Edging is recommended for all cut ends.

9.0 Cleaning

Regular cleaning and maintenance will prolong mat life. It is important to follow these directions carefully to achieve optimum mat performance:

1. Clean mat and surrounding floor daily or as conditions necessitate.
2. Sweep any removable debris off the top of the mat.
3. Apply properly diluted cleaning chemical to mat.
4. Vigorously clean the entire mat surface using a brush or broom.
5. Hose the mat off with water and let dry.
6. Clean back of mat if required, following steps 3-5.
7. Hang mat vertically or lay flat to dry. Avoid hanging mat across railings or sharp objects. This might cause the mat to curl or otherwise deform.
8. Clean floor under mat before replacing mat.

Important:

1. Make sure both sides of the mat and the floor are completely dry before replacing the mat on the floor.
2. The cleanliness of the floor and the bottom side of the mat are critical to prevent mat movement.
3. The frequency of cleaning is dependent upon where the mat is used.
4. Periodically inspect both sides of the mat and the area underneath the mat for grease, water or other debris and residues which could affect mat performance.
5. Do not store mat folded up.
6. Do not use chlorinated solvents or chlorinated cleaners for cleaning.
7. Do not submerge the mat in solutions containing high concentrations of alcohol (>40%).
8. Do not dry mats over objects which might cause the mat to deform.
9. If mat is hot, allow to cool flat before placing in service.
10. To move 3M™ Safety-Walk™ Cushion Mats, roll them up. Do not pull or tug on mats to move.

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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.

3M

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70-0708-9805-4 Rev. A