

Product Description

3M™ Safety-Walk™ Cushion Matting 5270E is a black antifatigue matting made from continuous coiled vinyl filaments bonded to a textured vinyl solid top surface. The product is oil resistant and suitable for heavy duty foot traffic in mostly dry areas and provides a comfortable, durable surface for standing or walking: assembly lines, production areas, other areas exposed to grease and/or oils and where cart traffic is present. The mat is intended to reduce muscle discomfort and body aches due to fatigue in such areas.

3M™ Safety-Walk™ Cushion Matting 5270E has a flat top surface for easy cleaning and cart crossing. The anti-slip surface provides safety. 3M™ Safety-Walk™ Cushion Matting 5270E has a 4-sided integral edging. Custom sizes are available upon request.

3M™ Safety-Walk™ Cushion Matting 5270E Standard Sizes

| Width | Length | 5270E |
|--------|--------|-------|
| 0,61 m | 9,14 m | X |
| 0,91 m | 1,52 m | X |
| 0,91 m | 3,05 m | X |
| 0,91 m | 6,10 m | X |

Custom sizes available upon request

Characteristics

The values displayed are the results of illustrative lab test measures and shall not be considered as a commitment from 3M.

| Characteristics | Value |
|--|-----------------------|
| Material | Vinyl |
| Colour | Black |
| Thickness | 16 mm |
| Basis weight | 4,8 kg/m ² |
| Maximum service temperature | +50°C |
| Flammability* (DIN EN 13501-1 Interior building applications) | Bfl s1 |
| Slip resistance (DIN EN 51130) | R10 V10 |

* Flammability standards are different from country to country. Ask your local 3M contact for details, please.

Country of Origin

Made in U.S.A with Globally Sourced Materials in an ISO 9001 and 14001 certified plant.

Chemical Resistance

Complete immersion for 7 days at +22°C

| Solution | Value |
|---------------------------------|-------|
| Water | R |
| Chlorinated Water | R |
| Tri-Sodium Phosphate | R |
| Acid Chrome Plating Solution | I |
| Lithographic Solution (3M-K-11) | R |
| 10% Hydrochloric Acid | R |
| 1% Sodium Hydroxide | R |
| Detergent (1% in water) | R |
| Glycerine | R |
| Ferric Chloride | R |
| Hexane | I |
| Methylene Chloride | NR |
| Motor Oil | R |
| Peanut Oil | R |
| Ethyl Alcohol | R |
| Ammonium Persulfate | R |
| Mineral Spirits | I |
| Gasoline (Unleaded) | I |
| 25% Sulfuric Acid Water | R |
| Diesel Fuel | I |
| 10% Salt Water | R |

R - Recommended, no observed effect on product

I - Product stiffens or discolours slightly

NR - Not recommended

Installation Instructions

Surface Preparation

Allow 3M™ Safety-Walk™ Cushion Matting 5270E to lie flat for at least 24 hours at a minimum temperature of +20°C. If any edge curl is noticeable after 24 hours, roll up mat opposite the curl and leave it rolled up for one hour before installation. Do not install mat until it lies flat.

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.

Allow cleaned floor to dry before installing mat.

Mat Installation

3M™ Safety-Walk™ Cushion Matting 5270E should be used with the flatter side on the top. This side will be on the inside of the roll when received.

Custom Cutting

The mats can be easily custom cut without edge fraying. Length and width dimensions may change during use. Wall-to-wall installations are not recommended.

Tools needed

- Utility knife
- Straight edge (1.2 m long)

If matting is to be cut to close specifications, ensure the mat 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

The mats can be seamed together to make mats wider or longer than standard sizes.

Material needed:

- 3M Matting seaming tape
- 3M Matting adhesive

Before seaming, ensure that the 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.

1. Place pieces of matting to be seamed side by side on a clean surface.
2. Unroll seaming tape between the two pieces to be joined. Cut tape to length.
3. Position the pieces of matting on 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 one piece of matting along the full seam length.
5. Apply a continuous wavy bead of adhesive (6 mm wide) from the outside edge of the exposed half of seaming tape.

Note: When applying adhesive, work rapidly. Adhesive may cause wrinkling of seaming tape if matting is not joined within 10 minutes.

6. Return folded edge of matting to its original position and apply moderate pressure to bond adhesive.
7. Fold back the second piece of matting along the full length of seam.
8. Apply two additional beads of adhesive; the first along joint of seaming tape and first piece of matting, and the second in a wavy pattern (6mm) from the outside edge of the exposed half of seaming tape.
9. Return 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 gap.
10. Place a weight, such as a board, along the full length of seam to maintain pressure on the bond. Allow to dry undisturbed for at least 8 hours before placing the mat into service.

Applying Matting Edging

Beveled edging can be easily applied to the mats to form a tapered edge.

Tools and materials needed:

- Utility knife
- Straight edge (1.2 m)
- 3M Matting High Profile Edging
- 3M Matting Adhesive

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 ends of matting where most people will walk. Recommended maximum edge length is 3.6 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.
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 groove.
5. Place edge of mat on top of edging groove containing adhesive. Gently work mat gently 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.

Maintenance and Cleaning

It is important to follow these directions carefully to achieve optimum mat performance.

Daily maintenance

1. Shake mat vigorously to remove debris.
2. Clean up debris under and around mat and place mat on a clean dry floor.
3. Damp mop solid top surface of mat and return to service.

Periodic maintenance

1. Remove debris (see daily maintenance).
2. For difficult to remove oil, grease, and/or debris, spray or mop on a general purpose cleaner or non-chlorinated degreaser prior to cleaning.
3. Scrub solid top surface with a deck brush.
4. Rinse off.
5. Allow to dry before placing back in service.

Important Notice

- Make sure both sides of mat and the floor are completely dry before replacing the mat on the floor.
- The cleanliness of the floor and the bottom side of the mat are critical to prevent mat movement.
- The frequency of cleaning is dependent upon where the mat is used.
- 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.
- Do not store mat folded up.
- Do not use chlorinated solvents or cleaners for cleaning.
- Do not submerge the mat in solutions containing high concentrations of alcohol (> 40 %).
- Do not dry mat over objects which might cause the mat to deform.

Health and Safety

When handling any chemical products, read the manufacturer's container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information.

[Follow the link to obtain SDS sheets for 3M products on 3M.com/SDS.](https://www.3m.com/SDS)

[Follow the link to obtain information about substances of very high concern \(SVHC\).](#)

IMPORTANT! When using any equipment, always follow the manufacturer's instructions for safe operation.

Limited Remedy

Unsuitable End Uses

This bulletin provides technical information only. Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

Limitations of liability

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

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IMPORTANT! When using any equipment, always follow the manufacturer's instructions for safe operation.

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