Product Description

3M™ Safety-Walk™ Coarse Tapes and Treads - 700 Series

These products consist of large abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

Standard Sizes

Refer to Table A on page 2.

- **Colors:** Black #710, Gray #770, and Light Gray #775
- **Custom sizes:** Available upon request.

3M™ Safety-Walk™ Slip-Resistant General Purpose Tapes and Treads - 600 Series

These products consist of abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film. The reverse side is coated with a pressure-sensitive adhesive, covered by a removable protective liner.

Standard Sizes

Refer to Table A on page 2.

- **Colors:** Black #610, Clear #620, Safety Yellow #630, Safety Yellow/Black Stripe #613, and White #688
- **Custom sizes:** Available upon request.

3M™ Safety-Walk™ Slip-Resistant Conformable Tapes and Treads - 500 Series

These products consist of abrasive particles bonded by a tough, durable polymer to aluminum foil. The reverse side is coated with a pressure-sensitive adhesive, covered by a removable protective liner. The product is designed to stretch and conform to irregular surfaces such as diamond plating, flat surfaces with rivets or screw heads, ladder rungs, etc.

Standard Sizes

Refer to Table A on page 2.

- **Colors:** Black #510, Safety Yellow #530, and White #588
- **Custom sizes:** Available upon request.

3M™ Safety-Walk™ Slip-Resistant Medium Resilient Tapes and Treads - 300 Series

The products consist of dimensionally stable plastic film coated with a resilient textured surface. The reverse side is coated with a pressure-sensitive adhesive, covered by a removable protective liner.

Standard Sizes

Refer to Table A on page 2.

- **Colors:** Black #310 and Gray #370
- **Custom sizes:** Available upon request.

3M™ Safety-Walk™ Slip-Resistant Fine Resilient Tapes and Treads - 200 Series

These products consist of a resilient fine textured top surface. The reverse side is coated with a pressure-sensitive adhesive, covered by a removable protective liner.

Standard Sizes

Refer to Table A on page 2.

- **Colors:** White #280 and Clear #220
- **Custom sizes:** Available upon request.

Accessories

3M™ Nitrile Industrial Adhesive 4491

This primer is a solvent-based adhesive. It is to be applied to rough or porous surfaces before application of adhesive-backed products. Each 5 gallon (18.9 L) bucket covers approximately 700 sq ft (65 sq m).

- **Size:** 5 Gallon Pour Spout (Pail), Drum

3M™ Safety-Walk™ Edging Compound

This is a liquid, solvent-based compound in a convenient tube applicator. The product fills in the exposed edges of Safety-Walk™ slip-resistant materials, providing extra protection against excessive moisture or liquids. One 5 oz. (148 mL) tube seals approximately 75 to 100 linear feet (23 to 30.5 m).

- **Size:** 5 oz. (148 mL) tube

3M™ Safety-Walk™ Rubber Hand Roller

The 3M™ Safety-Walk™ Rubber Hand Roller helps provide a firm bond when applying Safety-Walk™ slip-resistant materials.

- **Roller Size:** 1.375 in. diameter by 2 in. wide. (3.5 cm diameter by 5.1 cm wide)
- **Overall length:** 6 in. (15.2 cm)

Product Selection Guide

Table A. 3M™ Safety-Walk™ Slip-Resistant Tapes and Treads Standard Sizes

Size	Black #710	Light Gray #775	Gray #770	Black #610	Safety Yellow #630	White #688	Clear #620	Safety Yellow/ Black Stripe #613	Black #510	White #588	Safety Yellow #530	Black #310	Gray #370	White #280	Clear #220
3/4 in. by 24 ft.				X											
5.5 in. by 5.5 ft.				X											
6 in. by 24 ft.	X			X				X	X			X			
2 in. by 30 ft.															
3 in. by 30 ft.															
4 in. by 30 ft.	X														
6 in. by 30 ft.	X														
24 in. by 30 ft.	X		X												
3/4 in. by 60 ft.				X											
1 in. by 60 ft.				X	X		X	X	X			X	X	X	X
2 in. by 60 ft.				X	X		X	X	X		X	X	X	X	X
3 in. by 60 ft.								X							
4 in. by 60 ft.				X	X		X	X	X		X	X	X	X	
6 in. by 60 ft.				X				X	X		X	X	X	X	
12 in. by 60 ft.				X				X	X			X	X	X	X
18 in. by 60 ft.				X					X			X	X		
24 in. by 60 ft.				X				X	X			X	X		
36 in. by 60 ft.				X								X	X		
48 in. by 60 ft.		X		X				X				X			
48 in. by 150 ft.						X				X					

Custom sizes are available upon request for all materials.

Table B. Application/Type of 3M™ Safety-Walk™ Slip-Resistant Tapes and Treads

Applications	Coarse 700 Series	General Purpose 600 Series	Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
Farm Machinery	X	X	O		
Construction Equipment Forklifts Cherry Pickers	X	X	O		
Steps, stairs, and platforms		X	O		
Recreation Vehicles Snowmobiles ATVs Garden tractors Lawn mowers	X	X	O		
Wet and oily areas	X	X	O		
Loading docks Cold storage Catwalks Platform/ramps	X	X	O		
Ladders Step stools Scaffolds		X	O		
Airplane decks/cargo holds Trains Semi-trailers Buses Ships decks	X	X	O		
Water skis Surf boards Jet skis Boats				X	
Swimming pools Pool accessories Diving boards				X	
Bath area Showers				X	X
Bathtubs					X
Conveyors Pulleys				X	
Food service areas*		X		X	
Machine shops Auto repair shops Garages	X				

X - Recommended for application to flat or smooth surfaces.
O - Recommended for application around corners or for irregular surfaces.
* - NOT recommended for applications to greasy quarry tiles.

Table C. Typical Properties

Product Attribute	Coarse 700 Series	General Purpose 600 Series			Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
Color	Black #710 Gray #770 Light Gray #775	Black #610	Safety Yellow #630 Clear #620 White #688	Safety Yellow/ Black Stripe #613	Black #510 Safety Yellow #530 White #588	Black #310 Gray #370	Clear #220 White #380
Applied Weight oz/ft^2 (g/m^2)	5.50 (1,680)	2.4 (730)	2.4 (730)	2.4 (730)	2.8 (850)	2.7 (820)	2.1 (640)
Minimum Application Temperature	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)
3M-SW-29.0-Maximum Service Temperature	175°F (79°C)	175°F (79°C)	150°F (66°C)	150°F (66°C)	175°F (79°C)	175°F (79°C)	150°F (66°C)
ASTM E648-10e1 or (NFPA253) - Flammability Average Critical: **- Radiant Flux W/cm^2** **- NFPA Classification**	1.02 Class I	1.01 Class I	**630:** 1.02 Class I **620:** 0.99 Class I **688:** 1.02 Class 1	1.01 Class I	**510, 530:** 1.02 Class I **588:** 1.0 Class I	0.37 Class II	1.01 Class I
2010 IMO FTP Code, Annex 1 Parts 2 and 5	---	U.S. Coast Guard	---	---	---	---	---
FAA 25.855-F-1 - T3003 Aluminum Substrate (Baggage)	Pass	Pass	**620, 630:** Pass	Pass	**510, 530:** Pass	---	---
FAA 25-853-F-1 - T3033 Aluminum Substrate (Interior surface)	Pass	Pass	**620, 630:** Pass	Pass	**510, 530:** Pass	Pass	---
ASM E662-09 or (NFPA258) - Smoke Density (Dm corrected) **-Flaming** **-Non-Flaming**	73, 174	98, 97	**630:** 33, 14 **620:** 60, 40 **688:** 34, 38	53, 47	**588:** 57, 65, 36, 4	78, 244	177, 164

Chemical Resistance

Use this guide to help select the proper 3M™ Safety-Walk™ Slip-Resistant Tapes and Treads when exposure to chemicals is anticipated.

- Fine Resilient Clear (#220) may turn cloudy during continuous immersion in water. It will regain clarity after it dries.
- Colors may be affected by extended exposure to some chemicals.

Table D. Chemical Resistance

Chemical	Black #710 Gray #770 Light Gray #775	Black #610	Safety Yellow #630 White #688 Clear #620	Safety Yellow/ Black Stripe #613	Black #510 White #588 Safety Yellow #530	Black #310 Gray #370	White #280 Clear #220
Water	R	R	R	R	R	R	R
Bleach	R	R	I	I	I	R	R
1% Hyrdrochloric Acid Solution	R	R	R	R	R	R	R
1% Sodium Hydroxide Solution	I	I	NR	I	NR	R	R
Detergent (1% Dreft in Water)	R	R	R	NR	R	R	R
Soap (1% Ivory Flakes in Water)	R	R	R	I	R	R	R
Isopropyl Alcohol	R	R	R	I	R	R	R
Motor Oil	R	R	R	R	R	R	R
Hydraulic Fluid (Skydrol 500B)	NR	NR	R	R	I	R	NR
Peanut Oil	R	R	R	R	R	R	R
Methyl Ethyl Ketone	I	I	I	I	I	I	NR
Mineral Spirits	R	R	NR	I	NR	NR	NR
Gasoline (Unleaded)	NR	NR	IC	NR	NR	NR	NR
25% Sulfuric Acid Solution	R	R	I	R	IC	R	R
50% Antifreeze in Water Solution	R	R	R	I	R	R	R
Windshield Washer Fluid	R	R	R	R	R	R	R
Diesel Fuel	R	R	I	I	I	NR	NR
Salt Water	R	R	R	R	R	R	R

R - Recommended, though generally not for continuous immersion
I - Recommended for intermittent exposure only.
IC - Can withstand incidental contact, provided cleaning/rinsing is performed after exposure.
NR - Not recommended.

Surface Preparation

Table E. Surface Preparation

Surface	Solvent Wipe[1]	Strip Floor Finish; Degrease; Wash and Rinse[2]	Prime Coat Recommended
Bare metal, polyethylene, propylene	X		No
Painted metal or plastic, painted wood, gelcoated fiberglass, epoxy-coated floor[3]	X	X	No
Rough or smooth porous concrete		X	Yes
Painted or coated smooth concrete		X	No
Vinyl tile, marble, terrazzo, ceramic		X	No
Quarry tile[4]		X	Yes

1 - Use a solvent suitable for removing grease and oil. Follow the manufacturer's directions for proper handling.
2 - Use detergent, degreaser, or stripping chemical as appropriate.
3 - Untreated and treated wood must be painted before applying any 3M™ Safety-Walk™ Slip-Resistant Materials.
4 - Not recommended for use in commercial kitchens.

NOTE

Review the 3M™ Safety-Walk™ General Printing Guidelines to ensure proper awareness and to understand the process prior to printing on 3M™ Safety-Walk™ 588 or 688.

Surface Preparation Instructions

1. Ensure the surface is clean, dry, smooth, and above the minimum application temperature for 3M™ Safety-Walk™ Slip-Resistant material.

Series	Minimum Application Temperatures
Coarse (700 Series)	50°F (10°C)
General Purpose (600 Series)	50°F (10°C)
Conformable (500 Series)	50°F (10°C)
Medium Resilient (300 Series)	50°F (10°C)
Fine Resilient (200 Series)	50°F (10°C)

2. Repair or replace any broken or damaged surface.
3. Remove chipped, cracked, or peeled paint.
4. Remove loose residue from the surface.
5. If present, floor finish may be removed prior to application if desired.
6. Referring to Table E on page 6, use the appropriate cleaner or solvent wipe to clean the surface.
7. Allow the surface to dry thoroughly.

Priming Instructions

Prime clean, dry surfaces with 3M™ Nitrile Industrial Adhesive 4491, especially:

- Uncoated concrete surfaces
- Coated, painted, or porous concrete surfaces that are excessively rough
- Other porous surfaces

To prime a surface with 3M™ Nitrile Industrial Adhesive 4491 Primer:

1. Properly clean the surface following Table E on page 6.
2. Use a paint brush to apply a thin coat of 3M™ Nitrile Industrial Adhesive 4491 where the material is to be placed.
3. Allow the primed area to dry thoroughly (showing no evidence of stickiness or tackiness) before applying 3M™ Safety-Walk™ slip-resistant material. The approximate drying time is 15 minutes.

Application

NOTE

3M™ Safety-Walk™ Slip-Resistant Material can be applied on most painted surfaces that are in good condition. The material will adhere as well as the base paint. Painted surfaces must be thoroughly dry before application of any 3M™ Safety-Walk™ Slip-Resistant Material.

NOTE

Do NOT apply 3M™ Safety-Walk™ Slip-Resistant Material over grouting. Additionally, avoid any cracks in the application surface.

Do NOT apply 3M™ Safety-Walk™ Slip-Resistant Material over surfaces with constant water contact or moisture seepage.

NOTE

3M™ Safety-Walk™ Slip-Resistant Materials are NOT recommended for quarry tile in commercial kitchens due to constant oil exposure.

Tools Needed

- Rubber hand roller or rubber mallet

Application Instructions for 3M™ Safety Walk with Brown Liner

1. Ensure the application surface is clean, dry, and at the recommended application temperature prior to application. Additionally, treated or untreated wood must be painted prior to applying 3M™ Safety-Walk™ materials.
2. Prime rough or porous surfaces with 3M™ Nitrile Industrial Adhesive 4491 for proper adhesion.
3. Space individual pieces of 3M™ Safety-Walk™ a minimum of 1/2 in. (1.3 cm) apart and a maximum of 2 in. (5.1 cm) apart.
4. Round the corners of any pieces cut from rolls.
5. Peel the protective liner back about 2 in. (5.1 cm) from one end and position the piece on the surface. For steps, apply the material 1/2 in. (1.3 cm) away from the stair edge to prevent curling and premature wear.

NOTE

Minimize contact between adhesive and fingers.

6. Continue to remove the liner and press the Safety-Walk™ firmly in place as the liner is removed.
   a. **For small pieces:** Peel the liner off the piece. Hold the piece by its edges and curve it gently with the adhesive side out. Align the middle of the piece over the middle of the target surface and press down.
7. Use the rubber hand roller to firmly apply the Safety-Walk™ to the surface, starting in the middle of the piece of Safety-Walk™ and working out towards the edges.
8. For applying 3M™ Safety-Walk™ Conformable Tapes and Treads, hit the applied Safety-Walk™ with a soft-headed rubber mallet to ensure the product conforms to the surface. Use additional force when conforming the edges.
9. Apply 3M™ Safety-Walk™ Edging Compound for extra protection against excessive moisture or liquids.

Application Instructions for 3M™ Safety Walk with a White Liner

1. Space individual pieces of 3M™ Safety-Walk™ a minimum of 1/2 in. (1.3 cm) apart and a maximum of 2 in. (5.1 cm) apart. On steps or stairs, apply 3M™ Safety-Walk™ Material 1/2 in. from the stair edge to prevent edge curling and premature wear.
2. Round the corners of any pieces cut from rolls.
3. Remove the entire liner from the 3M™ Safety-Walk™ material.

NOTE

Minimize touching the exposed adhesive with fingers

4. Carefully place the 3M™ Safety-Walk™ material in the desired location, repositioning as needed. Avoid applying any pressure until satisfied with the material's placement.
5. Press down firmly in the middle of the 3M™ Safety-Walk™ material to lock it to the surface.
6. Press the 3M™ Safety-Walk™ firmly to the surface using a rubber hand roller, starting in the middle and working out towards the edges.
7. When applying 3M™ Safety-Walk™ Slip Resistant Conformable Tapes and Treads (500 Series), hammer the product with a very soft-headed rubber mallet to conform the product to the application surface. Use additional force when conforming the edges.

Maintenance

- Inspect the application periodically to maintain product effectiveness.
- Clean 3M™ Safety-Walk™ Slip-Resistant Materials regularly to keep them free of dirt and other residue that might impair functionality:
  - Deck brush coarse, general purpose, and conformable tapes and treads regularly.
  - Mop or deck brush medium and fine resilient treads regularly.
- Use an appropriate degreaser/cleaner for general maintenance to keep the material and surrounding surfaces dirt and grease free.
- To remove and replace worn or torn material:
  - Pull up the old material, using a heat gun to assist in this process when necessary.
  - Use 3M™ General Purpose Adhesive Remover (Part Number #08987) or an equivalent product to soften adhesive residue.
  - Scrape off the softened adhesive residue.
- Replace 3M™ Safety-Walk™ when it experiences mineral wear or loss from its surface.

Shelf Life and Storage Conditions

Shelf Life

The shelf life is never more than five years from the date of manufacture, when the storage condition requirements below are followed.

Storage Conditions

- 40°F to 100°F (4°C to 38°C)
- Humidity of 40% to 60%
- Original container

NOTE

3M™ Safety-Walk™ Slip Resistant Tapes and Treads Series 500, 600, and 700 have been certified by the National Floor Safety Institute (NFSI) as providing "high traction." A wet static coefficient of friction (SCOF) of greater than 0.60 was chosen by NFSI as the criteria for "high traction" because according to NFSI, floor surfaces maintaining this level of slip resistance when wet have proven to reduce slip-and-fall claims by between 50% and 90%.

NOTE

3M™ Safety-Walk™ Slip Resistant Tapes and Treads Series 200 and 300 have been certified by the National Floor Safety Institute (NFSI) as being "slip resistant." A wet static coefficient of friction (SCOF) of between 0.40 and 0.59 was chosen by NFSI as the criteria for a "slip resistant" material.

NOTE

3M™ Safety-Walk™ Slip-Resistant Conformable Tapes and Treads - 500 Series is NOT presently qualified to, nor on the qualified products list associated with, any active military specification.

3M™ Safety-Walk™ Slip-Resistant General Purpose Tapes and Treads - 600 Series met, and was on the qualified products list associated with, Military Specification MIL-D-17951 E, which was canceled upon the release of Military Specification MIL-PRF- 24667 C. The 600 Series is NOT presently qualified to, nor on the qualified products list associated with, any active military specification.

NOTE

3M™ Safety-Walk™ Coarse Tapes and Treads - 700 Series meets, and is on the qualified products list associated with, Military Specification MIL-PRF-24667 C Type XI Comp PS. A certificate of compliance to this standard is only available via military orders or a special product request.

Health and Safety

Tools and Equipment Usage

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

Chemicals

When handling any chemical products, read the manufacturers' container labels and the safety data sheets (SDS) for important health, safety, and environmental information.

Follow this link to obtain SDS sheets for 3M products.

Follow this link to obtain information about substances of very high concern (SVHC) for EU products.

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