Product Description

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

The product consists 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 Standard Product Chart (Page 2)

- **Colors:** Black #710, Gray #770
- **Custom sizes:** Available upon request

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

The product consists 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 Standard Product Chart (Page 2)

- Colors: Black #610, Clear #620, Safety Yellow #630, Safety Yellow/Black Stripe #613, White #688, and Black with Photo-luminescent (PL) strip #690
- Custom sizes: Available upon request

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

The product consists 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 or flat surfaces with rivets or screw heads, ladder rungs, etc.

Standard Sizes:

Refer to Standard Product Chart (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 product consists of dimensionally stable plastic film coated with a textured resilient surface. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

Standard Sizes:

Refer to Standard Product Chart (Page 2)

- Colors: Black #310 and Gray #370
- Custom sizes and colors:

Available upon request.

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

The product consists of a fine textured resilient top surface. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

Standard Sizes:

Refer to Standard Product Chart (Page 2)

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

Accessories

3M™ Safety-Walk™ Primer

Primer is a solvent-based adhesive. It is to be applied to rough or porous surfaces before application of adhesive-backed products. One quart covers approximately 35 square feet.

Size: 1 quart can

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 from excessive moisture or liquids. One five-ounce tube seals approximately 75 to 100 linear feet.

Size: 5 oz. tube

3M™ Safety-Walk™ Rubber Hand Roller

Rubber Hand Roller helps provide a firm bond when Safety-Walk slip-resistant materials are applied.

Size: Roller - 1 3/8 " diameter x 2" wide Overall length - 6"

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

Size	Black #710	Gray #770	Black #610	Safety Yellow #630	White #688	Clear #620	Safety Yellow /Black Stripe #613	Black PL #690	Black #510	White #588	Safety Yellow #530	Black #310	Gray #370	White #280	Clear #220
3/4" x 24			X												
5 1/2" x 5 1/2			X												
6" x 24	X		X				X	X	X			X			
2" x 30								X							
3" x 30								X							
4" x 30	X							X							
6" x 30	X							X							
24" x 30	X	X													
3/4" x 60			X												
1" x 60			X	X		X	X		X			X	X	X	X
2" x 60			X	X		X	X		X		X	X	X	X	X
3" x 60							X								
4" x 60			X	X		X	X		X		X	X	X	X	
6" x 60			X				X		X		X	X	X	X	
12" x 60			X				X		X			X	X	X	X
18" x 60			X						X			X	X		
24" x 60			X				X		X			X	X		
36" x 60			X									X	X		
48" x 60			X				X					X			
48" x 150					X					X					

Custom sizes available upon request for all materials
Custom colors available upon request for Medium Resilient materials

Product Selection Guide

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		
Recreational 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 area*		X		X	
Machine shops Auto repair shops Garages	X				

X - Recommended for flat or smooth surfaces
O - Recommended around corners or for irregular surfaces
* - Not recommended for application on 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	Black #610	Safety Yellow #630 Clear #620 White #688	Safety Yellow/ Black Stripe #613	Black PL Strip #690	Black #510 Safety Yellow #530 White #588	Black #310 Gray #370	Clear #220 White #280
Applied Weight (oz.)/ ft^2 (g)/m^2	5.50 1,700	2.4 730	2.4 730	2.4 730	2.4 730	2.8 850	2.7 830	2.1 640
Minimum Application Temperature	40° F (4° C)	40° F (4° C)	40° F (4° C)	40° F (4° C)	40° F (4° C)	40° F (4° C)	40° F (4° 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)	150° F (66° C)	175° F (79° C)	175° F (79° C)	150° F (66° C)

Product Attribute	Coarse 700 Series	General Purpose 600 Series				Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
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 I	1.01 Class I	1.01 Class I	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	Pass **688**: --	Pass	Pass	Pass **588**: --	---	---
FAA 25-853-F-1 - T3003 Aluminum Substrate (Interior surface)	Pass	Pass	Pass **688**: --	Pass	Pass	Pass **588**: --	Pass	---
ASTM E662-09 or (NFPA258) - Smoke Density (Dm corrected) -Flaming -Non-Flaming	73 174	98 97	**630**: 47 47 **620**: 60 40 **688**: 34 38	53 47	90 32	57 65 **588**: 36 4	78 244	177 164

Table D. Dynamic Coefficient of Friction

Sensor	Condition	Coarse 700 Series	General Purpose Black #610	General Purpose #630, #620, #688	General Purpose #613, #690	Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
Rubber	Dry Water Oil	1.05 1.00 0.76	1.04 1.02 0.87	1.02 1.05 0.90	1.02 1.05 0.90	1.04 0.94 0.95	1.06 0.83 0.31	1.29 0.86 0.35
Leather	Dry Water Oil	0.65 0.83 N/A	0.74 1.19 N/A	0.78 1.14 N/A	N/A N/A N/A	0.72 1.14 N/A	0.73 0.77 N/A	0.66 0.79 N/A

Table E. Static Coefficient of Friction

Sensor	Condition	Coarse 700 Series	General Purpose Black #610	General Purpose #630, #620, #688	General Purpose #613, #690	Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
Rubber	Dry Water Oil	1.24 1.14 1.05	1.40 1.30 1.17	1.30 1.25 1.31	1.30 1.25 1.31	1.06 0.84 0.51	1.06 0.84 0.51	1.38 0.81 0.58
Leather	Dry Water Oil	0.90 1.05 N/A	1.00 1.64 N/A	1.05 1.48 N/A	N/A N/A N/A	0.81 0.81 N/A	0.81 0.81 N/A	0.82 0.93 N/A

Table F. Slip Resistance

DIN9Ger.51130 (ZH1/571): Value	Coarse 700 Series	General Purpose Black #610	General Purpose #630, #620, #688	General Purpose #613, #690	Conformable 500 Series	Medium Resilient 300 Series	Fine Resilient 200 Series
Friction (dry)	R13	-	-	-	-	-	-
Volume (ml/dmsq)	V8	-	-	-	-	-	-

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 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 G. Chemical Resistance

Color	Black #710 Gray #770	Black #610	Safety Yellow #630 White #688 Clear #620	Safety Yellow / Black Stripe #613	Black PL #690	Black #510 White #588 Safety Yellow #530	Black #310 Gray #370	White #280 Clear #220
Water	R	R	R	R	R	R	R	R
Bleach	R	R	I	I	R	I	R	R
1% Hydrochloric Acid	R	R	R	R	R	R	R	R
1% Sodium Hydroxide	I	I	NR	I	I	NR	R	R
Detergent (1% Dreft in Water)	R	R	R	NR	NR	R	R	R
Soap (1% Ivory Flakes in Water)	R	R	R	I	I	R	R	R
Isopropyl Alcohol	R	R	R	I	I	R	R	I
Motor Oil	R	R	R	R	R	R	R	R
Hydraulic Fluid (Skydrol 500B)	NR	NR	R	R	R	I	R	NR
Peanut Oil	R	R	R	R	R	R	R	R
Methyl Ethyl Ketone	I	I	I	I	I	I	I	NR
Mineral Spirits	R	R	NR	I	I	NR	NR	NR
Gasoline (Unleaded)	NR	NR	IC	NR	NR	NR	NR	NR
25% Sulfuric Acid Water	R	R	I	R	R	IC	R	R
50% Antifreeze in Water	R	R	R	I	R	R	R	R
Windshield Washer Fluid	R	R	R	R	R	R	R	R
Diesel Fuel	R	R	I	I	I	I	NR	NR
Salt Water	R	R	R	R	R	R	R	R

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

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

Directions for Use

IMPORTANT NOTE

Prior to printing on 3M™ Safety-Walk™ 588 or 688 series review 3M™ Safety-Walk™ General Printing Guidelines to ensure proper awareness and process is understood.

Surface Preparation Instructions

1. Make sure surface is clean, dry, smooth and above minimum application temperature when applying 3M™ Safety-Walk™ Slip-Resistant material. Repair or replace any broken or damaged surface.

   Minimum application temperatures:

Coarse (700 series)	40°F (4°C)
General Purpose (600 series)	40°F (4°C)
Conformable (500 series)	40°F (4°C)
Medium Resilient (300 series)	40°F (4°C)
Fine Resilient (200 series)	50°F (10°C)

2. Remove chipped, cracked or peeled paint prior to applying Safety-Walk material.
3. Remove loose residue from surface.
4. If present, floor finish may be removed prior to application.
5. Referring to the "Surface Preparation Table" on page 6, use the appropriate cleaner or solvent wipe to clean the surface. After cleaning, allow surface to dry thoroughly.

Priming Instructions

1. Prime clean, dry surfaces with 3M™ Safety-Walk™ Primer, especially:
   a. Uncoated concrete surfaces.
   b. Coated, painted or porous concrete if surface is excessively rough.
   c. Other porous surfaces.
2. Priming Instructions
   a. Properly clean the surface following the "Surface Preparation Table" on page 6.
   b. Use a paint brush to apply a thin coat of 3M™ Safety-Walk™ primer where material is to be placed.
   c. Allow the primed area to dry thoroughly (no evidence of stickiness or tackiness) before applying Safety-Walk slip-resistant material. Approximate drying time is 15 minutes.

Application Instructions

Tools Needed: Rubber Hand Roller or Rubber Mallet

1. Individual pieces should be spaced a minimum of 1/2" apart and a maximum of 2" apart.
2. Round the corners of any pieces cut from rolls.
3. Peel protective liner back about 2" from one end and position piece on surface.

IMPORTANT NOTE

Minimize touching adhesive with fingers.

4. Continue to remove liner. Press firmly in place as liner is removed.
5. For small pieces: Peel liner off piece. Holding piece by its edges, curve it gently with the adhesive side out. Align the middle of the piece over the middle of the target surface and press down.
6. Finally, press into firm contact with surface using a rubber hand roller by starting in middle and rolling out toward edges.
7. For applying 3M™ Safety-Walk™ Conformable Tapes and Treads, use a soft-headed rubber mallet to ensure product conformability to surface. Pound edges extra hard.
8. On steps, apply tread material 1/2" from stair edge to prevent edge curl and premature wear.

Maintenance Instructions

- To maintain product effectiveness, the application should be inspected periodically.
- To ensure that 3M™ Safety-Walk™ Slip-Resistant Materials are kept free of dirt and other residue that might impair functionality:
  - Coarse, General Purpose and Conformable tapes and treads should be deck brushed regularly.
  - Medium and Fine Resilient Treads should be mopped or deck brushed regularly.
- Use an appropriate degreaser/cleaner for general maintenance to keep material and surrounding surfaces dirt and grease free.
- To remove and replace worn or torn material:
  - Start by pulling up old material. Use of a heat gun may assist in this process.
  - After removal of old material, use 3M™ General Purpose Adhesive Remover (08987) or an equivalent product to soften adhesive residue and allow scraping of surface in preparation for product replacement.
- As 3M™ Safety-Walk™ should be replaced as you observe mineral wear or loss from its surface.

Important for Proper Application and Service Life

1. All surfaces must be clean, dry and at recommended temperature before applying product.
2. Rough or porous surfaces must be primed with 3M™ Safety-Walk™ Primer for proper adhesion.
3. A 3M™ Safety-Walk™ Rubber Hand Roller should be used to assure a firm bond when applying all Safety-Walk slip-resistant materials.
4. For extra protection from excessive moisture or liquids, use 3M™ Safety-Walk™ Edging Compound. Safety-Walk slip-resistant materials are not recommended for continuous immersion in water.
5. 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.
6. Treated or untreated wood must be painted prior to application of 3M™ Safety-Walk™ Slip-Resistant Material.
7. Do not apply 3M™ Safety-Walk™ Slip-Resistant Material over surfaces with constant water contact or moisture seepage.
8. Do not apply 3M™ Safety-Walk™ Slip-Resistant Material over grouting. Avoid cracks in concrete and cracks in any surface.
9. 3M™ Safety-Walk™ Slip-Resistant Materials are not recommended for quarry tile in commercial kitchens due to constant oil exposure.
10. Store product in its original carton, preferably at 40°F (4°C) to 100°F (37.7°C). Humidity range of 40% to 60%.
11. It is recommended to use the product within five years from the date product is received.

IMPORTANT NOTE

3M™ Safety-Walk™ Slip Resistant Tapes and Treads Series 200, 300, 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%.

IMPORTANT NOTE

3M™ Safety-Walk™ Slip-Resistant Conform able 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.

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. Certificate of compliance to this standard is only available via military orders or special product request (SPR).

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. The user is solely responsible for evaluating the product and determining whether it is fit for user's particular purpose and adequately maintained.

Health and Safety

CAUTION

When handling any chemical products, read the manufacturers' container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to 3M.com/SDS, or by mail or in case of an emergency, call 1- 888-364-3577 or 1-651-737-6501.

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

Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the **Customer Service Department at 1-800-852-9722**.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Limited Remedy

If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

No Extension of Warranty

In the case of an approved warranty claim, the replacement Product will carry only the remaining term of the original warranty period.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.

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