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3M Safety-Walk™ General Purpose Tread 610

GENERAL DESCRIPTION

This product consists of abrasive particles bonded by a tough durable polymer. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

APPLICATIONS

- Farm Machinery
- Steps, stairs, and platforms
- Recreational vehicles, snowmobiles, ATVs, garden tractors, lawn mowers
- Ladders, step tools, scaffolds
- Food service area, except on greasy quarry tiles

TYPICAL PROPERTIES		TEST METHOD
Color	Black	
Applied Thickness	0.028" (0.711 mm)	MIL-D-17951E SHIPS
Applied Weight	2.4 oz/ft ² (732 g/m)	MIL-D-17951E SHIPS
Minimum Application Temperature	40°F (4°C)	
Maximum Service Temperature	175°F (79°C)	3M-SW-29.0
Flammability Average Critical Radiant Flux W/cm ² NFPA 101 GSA Classification	> 1.02 Type 1 Class A	ASTM E648-95a (NFPA253)
T3003 Aluminum Substrate Smoke Density (Dm corrected) Flaming Non-Flaming	47 47	FAA 25.855-F-1 ASTM E662-95a (NFPA258)
OUS Flammability	-	BS (UK) 476 Part 6 BS (UK) 476 Part 7

DYNAMIC COEFFICIENT OF FRICTION			
Surface	Condition	Value	Test Method
Rubber	Dry	1.04	MIL-D-17951E SHIPS
	Water	1.02	
	Oil	0.87	
Leather	Dry	0.74	MIL-D-17951E SHIPS
	Water	1.19	
	Oil	N/A	



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STATIC COEFFICIENT OF FRICTION			
Surface	Condition	Value	Test Method
Rubber	Dry	1.40	MIL-D-17951E SHIPS
	Water	1.30	
	Oil	1.17	
Leather	Dry	1.00	MIL-D-17951E SHIPS
	Water	1.64	
	Oil	N/A	

SLIP RESISTANCE		
Value		Test Method
Friction (dry)	-	DIN (GER.) 51130 (ZH1/571)
Volume (ml/dmsq)	-	

CHEMICAL RESISTANCE	
Water	R
Bleach	R
1% Hydrochloric Acid	R
1% Sodium Hydroxide	R
Detergent (1% Dreft in Water)	R
Soap (1% Ivory Flakes in Water)	R
Isopropyl Alcohol	R
Motor Oil	R
Hydraulic Fluid (Skydrol 500B)	R
Peanut Oil	R
Methyl Ethyl Ketone	I
Mineral Spirits	NR
Gasoline (unleaded)	NR
Trichloroethylene	NR
25% Sulfuric Acid Water	R
50% Antifreeze in Water	R
Windshield Washer Fluid	R
Diesel Fuel	I

Recommendations are based on samples bonded to stainless steel after seven days immersion.

R = Recommended, generally not for continuous immersion

I = Recommended for intermittent exposure only

NR = Not recommended



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Surface Preparation Table

Surface	Solvent Wipe*	Strip Floor Finish; Degrease; Wash and Rinse**	Prime Coat Recommended
Bare metal/polyethylene/polypropylene	X		No
Painted metal or plastic/painted wood/gel-coated fiberglass/epoxy-coated floor***	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****		X	Yes

* Use solvent suitable for removing grease and oil. Follow manufacturer's directions for proper handling.

** Use detergent, degreaser or stripping chemical as appropriate.

*** Untreated and treated wood must be painted before application of any 3M™ Safety-Walk™ products.

**** Not recommended for use in commercial kitchens.

Directions for use:

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
General Purpose
Medium Resilient
Conformable
40°F (4°C)

Fine Resilient
50°F (10°C)

2. Remove chipped, cracked or peeled paint prior to applying Safety-Walk material.
3. Remove loose residue from surface.
4. Floor finish should be removed from floor prior to application.
5. Referring to the Surface Preparation Table (Page 6), use appropriate cleaner or solvent wipe to clean surface. After cleaning, allow 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 (Page 6).
 - b. Use a paint brush to apply a thin coat of Safety-Walk primer where treads are 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 ½" 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: 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 towards 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 Safety-Walk material ½" 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 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 appropriate degreaser/cleaner as a general maintenance liquid 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™ Citrus Base Industrial Cleaner or an equivalent product to soften adhesive residue and allow scraping of surface in preparation for product replacement.

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. 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™ Edge Sealing Compound. Safety-Walk slip-resistant materials are not recommended for continuous immersion in water.
5. Safety-Walk material can be applied on most painted surfaces that are in good condition. Safety-Walk material will adhere as well as the base paint. Painted surfaces must be thoroughly dry before application of Safety-Walk slip-resistant material.
6. Treated or untreated wood must be painted prior to application of Safety-Walk slip-resistant material.

7. Do not apply Safety-Walk material over surfaces with constant water contact or moisture seepage.
8. Do not apply Safety-Walk material over grouting. Also, avoid cracks in concrete and breaks in all surfaces.
9. Safety-Walk slip-resistant materials are not recommended for quarry tile in commercial kitchens.
10. Store product in its original carton, preferably at 40°F (4°C) to 100°F(37.7°C).
11. Humidity range of 40% to 60%. It is recommended to use the product within five years from the date product is received.

Important:

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.

Limited Warranty:

Except where prohibited by law, the following is made in lieu of all express or implied rights, warranties and conditions, statutory or otherwise. 3M warrants that its 3M™ Safety-Walk™ Slip-Resistant Tapes and Treads will be free from defects in material and manufacture at time of purchase. There are many factors that can affect the performance and useful life of this product; i.e. the type and preparation of the surface, the conditions of use or exposure, etc. Due to the variety of factors that can affect the use and performance of this product, most of which are uniquely within user's knowledge and control, it is essential that user (a) determines whether or not this product is fit for the desired purpose, (b) suitable for user's method of application, (c) adequately maintained and (d) is replaced at end of useful life.

Limitation of Remedies and Liability: 3M's only obligation shall be to repair or replace, at 3M's option, such quantity of the material proved to be defective. 3M shall not be liable for any injury, loss or damage, direct, indirect, incidental, special or consequential arising out of the use of this product.

3M
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