



Safety-WalkTM

Conformable anti-slip surfacing

Technical Data

TD 472. Date : July 99

Supersedes : First issue

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Description :

The product consists of abrasive particles bonded by a tough, durable polymer to aluminium foil. The reverse side is coated with a rubber based pressure sensitive adhesive, covered by a removable protective liner. The product is designed to stretch and conform to irregular surfaces such as diamond tread plate, screw heads, ladder rungs etc....

Product Positioning :

Primarily for use on dimpled or patterned surfaces in industrial, food service or commercial areas.

The product is suitable for application in dry, wet or oily environments where conventional General Purpose anti-slip surfacing material cannot be recommended.

Product Advantages :

- Highly flexible and conformable
- Can be bent
- Durable
- Resistant to chemicals
- Easy to apply

Colours and references :

- Black Ref 510
- Safety Yellow Ref 530

Product Requirements :

Property Test method	Value			
Colour :	Black	Yellow		
Applied thickness ① : • MIL D-17951 Ships	0.76 mm			
Applied weight ① : • MIL D-17951 Ships	665 g/m ²	740 g/m ²		
Resistance to U.V. :	good			
Flammability : • ASTM E 648-95a Average critical radiant flux (W/cm ²) :	0.96			
NFPA 101 :	Type I			
GSA classification :	Class A			
• Bureau Veritas (Fr) :	Class 0			
• C.A.A approval :	Yes			
Smoke Density (Dm corrected) : • ASTM E622-94a Flaming	74			
Non-Flaming	85			
Minimum application temperature :	4°C / 40°F			
Minimum service temperature :	minus 40°C minus 40°F			
Maximum service temperature :	79°C / 175°F			
Dynamic coefficient of friction :				
• MIL-D-17951 Ships				
	Surface	Condition	Values	
Rubber	Dry	Water	1.31	
			Oil	1.20
			Oil	0.79
Leather	Dry	Water	1.00	
			Water	1.29
			Oil	N/A

Static coefficient of friction :		
• MIL-D-17951 Ships		
Surface	Condition	Values
Rubber	Dry	1.44
	Water	1.35
	Oil	1.14
Leather	Dry	1.14
	Water	1.54
	Oil	N/A
C.I.D.: A-A-59124 (97) - Type II : ②		passes
Slip resistance :		
• DIN 51130 (ZH1/571)		
- friction (dry) :	R13	R12
- friction on diamond tread plate (oily) :		
■ with Safety-Walk	R12	-
■ Without	R10	-

① Typical average values

② Replaces Mil -W-5044C specification

Standard Sizes :

See Standard Product Chart for available colours.

Treads :

152 mm x 610 mm (6" x 60')

Rolls :

51 mm x 18.3 m (2" x 60')

102 mm x 18.3 m (4" x 60')

152 mm x 18.3 m (6" x 60')

305 mm x 18.3 m (12" x 60')

610 mm x 18.3 m (24" x 60')





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Custom Sizes :

Custom sizes are available upon request (minimum order quantities may apply).

Chemical Resistance :

Water	R
Soap (1% Ivory Flakes in water)	R
Detergent (1% Dreft in water)	R
Bleach (5,25% sodium Hypochlorite)	R
1% Sodium Hydroxide	R
1% Hydrochloric Acid	R
25% Sulfuric acid in water	R
Isopropyl Alcohol	R
Methyl Ethyl Ketone	I
Mineral Spirits	R
Trichloroethylene	I
Peanut Oil	R
Hydraulic Fluid (Skydrol 500B)	I
Motor Oil	R
Gasoline (unleaded)	IC
Diesel fuel	I
50% Anti-freeze in water	R
Wind screen washer fluid	R

R = Recommended for non continuous immersion

I = Recommended for Intermittent exposure only

NR = Not Recommended

IC = can stand incidental contact, if thorough weekly cleaning/rinsing

Note :

The recommendations noted here are based on results of 7-day immersion tests bonded to stainless steel.

Packaging and Marking :

Treads :

152 mm x 610 mm : 50 pcs/case

Rolls :

51 mm x 18.3 m : 2 rolls/case

102 mm and wider : 1 roll/case

Each case is marked with product name, size, colour and manufacturer's trade name.

Installation & Cleaning

Instructions :

An installation & cleaning instruction leaflet is included in each carton. See page 3 of this technical data sheet for surface preparation, application and maintenance instructions.

Accessories :

- 3M primers :
 - Scotch-GripTM EC2141
 - Scotch-GripTM FB10
 - Scotch-CladTM 776
- 3M edge sealing compound :
 - Scotch-SealTM 1103 Clear Sealant

Storage conditions :

It is recommended to store the product in its closed carton, preferably at a temperature between 15°C to 30°C with humidity in the range of 50% to 60%.

Shelf life :

It is recommended to use the product within 3 years from the date printed on the carton.

Product durability :

The product is designed to be used in areas exposed to pedestrian traffic only. Wheeled traffic is not recommended and will significantly reduce product life.

Product Disposal :

Post-consumer waste can be disposed off in appropriate containers and/or be incinerated.

Product Origin :

Made in USA and converted in France., in ISO 9002 certified plants.

Source of Supply :

France : S.O.A. Distribution centre





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3M Safety-Walk Slip Resistant Materials Installation & Cleaning Instructions

Surface Preparation :

Make sure surface is clean, dry, smooth and above minimum temperature of application :

- Mop clean: 4°C (40°F)
- Conformable: 4°C (40°F)
- General Purpose: 4°C (40°F)
- Resilient Medium: 4°C (40°F)
- Resilient Fine: 10°C (50°F)

Repair or replace any damaged or broken surface.

Remove chipped, cracked or peeled paint from surface.

Strip waxed floors prior to washing.

Use appropriate cleaner or solvent wipe to clean surface :

Type of surface	Recommended preparation
Bare metal, polyethylene, polypropylene	Solvent wipe
Painted metal, painted plastics, painted wood, gel-coated fiberglass, epoxy floors	Solvent wipe or degrease wash, rinse and let dry.
Porous concrete	Degrease wash, rinse and let dry
Painted concrete	Degrease wash, rinse and let dry
Vinyl tile, marble, terrazzo ceramic	Strip off floor finish, wash, rinse and let dry
Quarry tile	Degrease wash, rinse and let dry

Application Instructions :

Tools needed: rubber hand roller or rubber mallet.

1. Individual pieces should be spaced a minimum of 12 mm apart and a maximum of 50 mm apart.

2. Round the corners of any pieces cut from rolls.
3. Peel protective liner back about 50 mm from one end and position piece on surface. Note: minimize touching (contaminating) adhesive with fingers.
4. Continue to remove liner and 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 treads, use a soft-headed rubber mallet to ensure product fully conforms to surface. Pound edges extra hard.
8. On steps, apply 3M Safety-Walk materials 12 to 15 mm from stair edge to prevent edge curl and premature wear.

Helpful hints for proper application :

Rough or smooth, porous surfaces :

Prime coat with a 3M primer is recommended for proper adhesion.

Painted surfaces :

3M Safety-Walk materials can be applied on most painted surfaces which are in good condition and will adhere as well as the base paint. Painted surfaces must be thoroughly dry before the application.

Treated and untreated wood :

Wood surfaces must be sealed or painted before application of 3M Safety-Walk materials.

Immersed surfaces :

3M Safety-Walk materials are not recommended for continuous immersion in water or for areas with constant moisture seepage.

Grouted floors :

Do not bridge over joins, grouting, cracks or breaks in all surfaces. Cut into smaller pieces.

Kitchen and greasy floors :

Application of 3M Safety-Walk materials is not recommended for quarry tile in commercial kitchens. (because quarry tiles are often impregnated with grease)

Wet areas :

For extra protection from excessive moisture or liquids (not constant moisture) use 3M Scotch-Seal™ 1103 Clear Sealant to protect the edges of 3M Safety-Walk materials against penetration of liquids.

Priming Instructions :

1. Properly clean the floor following "surface preparation" procedure.
2. Use a paint brush and paint on a thin coat of primer where the 3M Safety-Walk materials are to be applied.
3. Allow the primed area to dry thoroughly (no evidence of stickiness or tackiness) before applying 3M Safety-Walk material.

Note : Primers are not generally recommended with the clear grade because the transparency benefit is then lost.

Maintenance Instructions :

Periodically inspect product application to maintain product effectiveness.

Keep free of dirt and other residue that might impair functionality.

General Purpose, Conformable treads should be deck-brushed regularly.

Fine Resilient, Medium Resilient and Mop Clean materials should be mopped or deck-brushed regularly.





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Use appropriate degreaser/cleaner as a general maintenance cleaner to keep material and surrounding surfaces free of soil and grease.

Removal and replacement :

To remove and replace worn or torn material:

1. Start by pulling up old material. Use of a heat gun and a scraper will assist in this process.
2. After total removal of old materials, use a degreaser or solvent based cleaner to re-

move adhesive residues before proceeding with re-application of 3M Safety-Walk materials.

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3M Safety-Walk Slip Resistant Materials PRODUCT SELECTION GUIDE

Typical Applications	Type of 3M™ Safety-Walk™ Slip-Resistant Material					
	General Purpose	Coarse	Conformable	Mop Clean	Medium Resilient	Fine Resilient
Construction, mining & agricultural machinery e.g excavators, trucks, cranes, tractors, forklifts...	●	●	○	●		
Steps, stairs, ramps, scaffolding, platforms...	●	●	○	●		
Ladders, stepladders, step-stools...	●		○	●		
Recreational vehicles e.g snowmobiles, all-terrain vehicles, garden tractors lawn mowers...	●	●	○	●		
Leisure equipment and vehicles e.g skateboards, motor-scooters...	●			●		
Aerospace industry e.g cargo holds, wings...	●		○	●		
Transportation, trains, trams, buses & coaches...	●		○	●		
Marine leisure e.g leisure craft & yachts, water skis, surfboards, jet skis...				●	●	
Swimming pool areas, diving boards				●	●	
Bath areas, showers, changing rooms...				●	●	●





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Bathtubs						●
Friction enhancement e.g conveyor rollers, shelf surfaces...					●	
Food service areas *	●			●		

* Not recommended for application on greasy quarry tiles.

● Recommended for flat or smooth surfaces

○ Recommended around corners or for irregular surfaces

Safety-Walk General Purpose Slip-Resistant Material : Conformance to Military Specification MIL-D-17951 (SH) is available when required.

