



# Safety-Walk<sup>TM</sup>

## Conformable anti-slip surfacing, black ( Ref 510 )

### Technical Data

**TD 472 B Issue 2 Date : January 02**

**Supersedes : TD 472 A – July 99**

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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

#### Colour and reference :

- Black Ref 510

#### Product Requirements :

Property Test method	Value		
Colour :	Black		
Applied thickness ① : • MIL D-17951 Ships	0.9 mm		
Applied weight ① : • MIL D-17951 Ships	885 g/m <sup>2</sup>		
Resistance to U.V. :	good		
Flammability : • ASTM E 648-95a Average critical radiant flux (W/cm <sup>2</sup> ) : NFPA requirements for class I : • FAR 25853, Appendix F, part 1 - Section (a)(1)(ii) : - Section (a)(2)(ii) :	1.02  Exceeds  Passes Passes		
Smoke Density (Dm corrected) : • ASTM E662-95 (NFPA 258) - Flaming - Non-Flaming	8 9		
Minimum application temperature :	4 °C / 40 °F		
Minimum service temperature :	minus 40 °C minus 40 °F		
Maximum service temperature :	79 °C / 175°C		
Static coefficient of friction : • MIL-D-17951E Ships	Specif.		
Surface	Condition	Value	Mini
Rubber	Dry	1.38	0.60
	Wet	1.25	0.60
	Oily	1.28	0.60
Leather	Dry	1.04	0.60
	Wet	1.46	0.60
	Oily	N/A	-

Dynamic coefficient of friction :		Value	Mini
• MIL-D-17951E Ships			Spec.
Surface	Condition	Value	Mini
Rubber	Dry	1.04	0.50
	Wet	0.94	0.60
	Oily	0.95	0.30
Leather	Dry	0.72	0.40
	Wet	1.14	0.40
	Oily	N/A	-
Slip resistance : • DIN 51130 (ZH1/571) - friction (oily) : - friction on diamond tread plate (oily) : ■ with Safety-Walk ■ Without			R13  R12 R10

① Typical average values

#### Standard Sizes :

##### 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)	I
1% Sodium Hydroxide	NR
1% Hydrochloric Acid	R
25% Sulfuric acid in water	R
Isopropyl Alcohol (25%)	R
Methyl Ethyl Ketone	I
Mineral Spirits	NR
Trichloroethylene	NR
Peanut Oil	R
Hydraulic Fluid (Skydrol 500B)	R
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. The technical data contained herein are guidelines based upon tests and information believed to be reliable. However, for specific applications it is recommended to conduct additional or more specific testing as performance properties may vary with chemical concentrations, exposure times, heat and cleaning conditions.

#### 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-Grip<sup>TM</sup> EC2141
  - Scotch-Grip<sup>TM</sup> FB10
  - Scotch-Clad<sup>TM</sup> 776
- 3M edge sealing compound :
  - Scotch-Seal<sup>TM</sup> 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 :

When exposed to pedestrian traffic only, the product will stand at least 1 million crossings. (Around 3 years if 1000 people walking over every day). Wheeled traffic is not recommended and will significantly reduce product life.

#### Product Disposal :

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

European code for waste disposal is : 20.01.04

#### Product Origin :

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

#### Source of Supply :

France : S.O.A. Distribution centre



#### 3M Commercial Care Laboratory Europe

3M France – Eurotech  
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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 :

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.

- Individual pieces should be spaced a minimum of 12 mm apart and a maximum of 50 mm apart.
- Round the corners of any pieces cut from rolls.
- Peel protective liner back about 50 mm from one end and position piece on sur-

face. Note: minimize touching (contaminating) adhesive with fingers.

- Continue to remove liner and press firmly in place as liner is removed.
- 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.
- Finally press into firm contact with surface using a rubber hand roller by starting in middle and rolling out towards edges.
- For applying 3M Safety-Walk Conformable treads, a soft rubber mallet can also be used to ensure product fully conforms to surface. Pound edges extra hard.
- 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 joints, 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 :

- Properly clean the floor following “surface preparation” procedure.
- Use a paint brush and paint on a thin coat of primer where the 3M Safety-Walk materials are to be applied.
- 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 decked-brushed regularly.

Fine and Medium Resilient should be mopped or deck-brushed regularly.

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:

- Start by pulling up old material. Use of a heat gun and a scraper will assist in this process.
- After total removal of old materials, use a degreaser or solvent based cleaner to remove 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	General Purpose	Coarse	Conformable	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...				●	●
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.



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