



Safety-WalkTM

Resilient Medium anti-slip surfacing

Technical Data

TD 474. Date : July 99
Supersedes : New issue
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Description :

The product consists of a dimensionally stable plastic film coated with a textured resilient surface. The reverse side is coated with a pressure sensitive adhesive covered by a removable liner. The product provides a resilient, durable, slip resistant surface for a large variety of applications.

Product Positioning :

Primarily for use as an anti-slip material for bare foot traffic and wet areas. The product is ideal for boats and water-sports equipment. It can also be used as a non abrasive friction enhancement product for many other applications.

Product Advantages :

- Non-abrasive, slip resistant surface
- Resilient construction for bare foot traffic comfort.
- Strong and durable

Colours and references :

- Black Ref 310
- Grey Ref 370

Product Requirements :

Property Test method	Value	
Applied thickness ① : • MIL D-17951 Ships	1.17 mm	
Applied weight ① : • MIL D-17951 Ships	827 g/m ²	
Resistance to U.V. :	good	
Flammability : • DIN 5510 : (GY) • ASTM E648-95a : (US) Average critical radiant flux (W/cm ²) : NFPA 101 : GSA Classification : • Bureau Veritas : (EU) • C.A.A. approval : (UK)	SF 3 0.37 Type II Class B Class 2 Yes	
Smoke density (Dm corrected) : • ASTM E622-94a : (US) ■ Flaming ■ Non-Flaming	78 244	
Minimum application temperature :	4°C	40°F
Minimum service temperature :	minus 10°C	14 F
Maximum service temperature :	79°C	175° F
Dynamic coefficient of friction : • MIL-D-17951-ships		
Surface	Condition	Value
- Rubber	Dry	1.06
	Water	0.83
	Oil	0.31
- Leather	Dry	0.73
	Water	0.77
	Oil	N/A

(Cont')

Property Test method	Value	
Static coefficient of friction : MIL-D-17951 Ships		
Surface	Condition	Value
- Rubber	Dry	1.06
	Water	0.84
	Oil	0.51
- Leather	Dry	0.81
	Water	0.81
	Oil	N/A
Slip resistance : • DIN 51097 (List NB) - Slip-angle - class	↓24° A+B+C	

① Typical average values

Standard Sizes :

See Standard Product Chart for available colours.

Rolls :

- 19 mm x 18.3 m (3/4" x 60')
- 25 mm x 18.3 m (1" x 60')
- 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')
- 914 mm x 18.3 m (36" x 60')

Custom sizes :

Available upon request (minimum order quantities may apply).





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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	NR
Trichloroethylene	NR
Peanut Oil	R
Hydraulic Fluid (Skydrol 500B)	R
Motor Oil	R
Gasoline (unleaded)	NR
Diesel fuel	NR
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 :

Rolls :

19 mm x 18.3 m : 4 rolls/case
 25 mm x 18.3 m : 4 rolls/case
 51 mm x 18.3 m : 2 rolls/case
 102 mm x 18.3 m : 1 roll/case
 152 mm x 18.3 m : 1 roll/case
 305 mm x 18.3 m : 1 roll/case
 610 mm x 18.3 m : 1 roll/case
 914 mm x 18.3 m : 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 :

When exposed to bare foot traffic only, the product will stand at least 0.5 million crossings. (around 3 years if 500 people walking over every day). Wheeled traffic will significantly reduce product life.

Product Disposal :

Post-consumer waste can be disposed of 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 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	Type of 3M TM Safety-Walk TM 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.

