Safety-Walk™

General Purpose anti-slip surfacing
Black (Ref 610)

Technical Data

Description :

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 rubber based pressure sensitive adhesive, covered by a removable protective liner. The product provides a durable, slip resistant surface for a large variety of applications.

Product Positioning :

Primarily for use as a durable, slip resistant surface for dry, wet, oily floors in industrial and commercial applications with intensive pedestrian or light vehicle traffic such as: corridors, production and storage rooms, ramps, stairways, ladders, footplates on machines, emergency exits …

Product Advantages :

- Safe, slip resistant surface
- Strong and very durable
- Resistant to chemicals
- Easy to install
- Excellent bond to most dry, clean, smooth surfaces

Standard Sizes :

Treads :
19 mm x 610 mm (3/4" x 24")
140 mm x 140 mm (5.½" x 5.½")
152 mm x 610 mm (6" x 24")

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 for all materials (minimum order quantities may apply).

Product requirements :

Property *Test method*	*Value/result*
Applied thickness (1) : • MIL D-17951 Ships	 0.76 mm
Applied weight (1) : • MIL D-17951 Ships	 710 g/m²
Resistance to U.V. :	good
Flammability : • IMO A.653 (16) Ships • NF F16101 (trains) • ASTM E 648-95a Average critical radiant flux (W/cm²) : NFPA 101 : GSA classification : • Bureau Veritas (Fr) : • C.A.A approval : • FAR 25 853 Appendix F, Part 1 Section (a)(1)(ii) Section (a)(2)(ii) • DIN 5510 (Ge):	 Passes M2F1 1.02 Type I Class A Class 0 Yes Passes Passes SF 3

Property *Test method*	*Value/result*
Smoke Density and Toxicity : • IMO MSC 61-(67) Annex 1, Part 2.	 passes
Smoke Density (Dm corrected) : • ASTM E622-94a Flaming Non-Flaming	 57 60
Minimum application temperature :	4°C / 40°F
Minimum service temperature :	minus 40°C minus 40°F
Maximum service temperature :	79°C / 175°F
Static coefficient of friction : • MIL-D-17951 E (SH)	

Surface	Condition	Values	Mini
Rubber	Dry	1.40	0.60
	Wet	1.30	0.60
	Oil	1.17	0.60
Leather	Dry	1.00	0.60
	Wet	1.64	0.60
	Oil	N/A	N/A

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Dynamic coefficient of friction : • MIL-D-17951 E (SH)			
Surface	Condition	Values	Mini
Rubber	Dry	1.04	0.50
	Wet	1.02	0.60
	Oil	0.87	0.30
Leather	Dry	0.74	0.40
	Water	1.19	0.40
	Oil	N/A	N/A
Slip resistance : • DIN 51130 (ZH1/571) - friction (dry) R = - volume (ml/dm²) V=		13 -	

(1) *Typical average values*

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)	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:
19 mm x 610 mm : 3 x 50 pcs/case
140 mm x 140 mm : 50 pcs/case
152 mm x 610 mm : 50 pcs/case

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 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™ EC2141
- Scotch-Grip™ FB10
- Scotch-Clad™ 776
- 3M edge sealing compound :
- Scotch-Seal™ 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 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

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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 fiber-glass, 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 conformability 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 :
Do not apply 3M Safety-Walk materials on surfaces with constant water contact or moisture seepage.

Grouted floors :
Do not bridge over 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.

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 nor 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, Coarse & Conformable treads should be decked-brushed regularly.
Fine Resilient, Medium Resilient materials 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:

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

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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, stepstools…	●		○		
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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