

Commercial Solutions Division

3M™ Safety-Walk™ Conformable anti-slip surfacing

510

530

Product Description

3M™ Safety-Walk™ Conformable anti-slip surfacing, black, 510 and 3M™ Safety-Walk™ Conformable anti-slip surfacing, yellow, 530 consist 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 and ladder rungs.

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 Line	Safety-Walk	510	black
		530	yellow

Sizes Safety-Walk Conformable anti-slip surfacing is available in different roll widths and in different pre-cut treads. Please contact your local 3M contact for further information.

Accessories	3M Primer	3M Safety-Walk Edge Sealer
	- 3M™ Tape Primer 83	- 3M™ Edge Sealing Compound 1103
	- 3M™ Primer 94	
	- rubber hand roller	

Product Characteristics

These are indicative values for unprocessed products. Contact your 3M representative for a custom specification.

Physical & Application	Property and Test Method	Value / Result	
		510 (black)	530 (yellow)
	Thickness (without liner)	1 mm	1 mm
	Weight (without liner)	854 g/m ²	854 g/m ²
	Resistance to UV	good	
	Fire behaviour	Classification	
	EN 13501-1: 2010 EU Building and Construction	Bfl s1	
	EN 45545-2:2016 EU rail vehicles	Hazard Level 1/2 (HL1/HL2)	
	Static coefficient of friction: MIL-C-24667 (SH)		

Ranking of results:

very safe:	> 0.64
safe:	0.43 - 0.63
moderate:	0.30 - 0.42
unsafe:	0.22 - 0.29
very unsafe:	0.00 - 0.21

Surface	Condition	Min	Value
			510 / 530
Rubber	Dry	0.60	1.38
	Wet	0.60	1.25
	Oil	0.60	1.28
Leather	Dry	0.60	1.04
	Wet	0.60	1.46
	Oil	N/A	N/A

Dynamic coefficient of friction: MIL-D-17951E

Surface	Condition	Min	Value
			510 / 530
Rubber	Dry	0.50	1.04
	Wet	0.60	0.94
	Oil	0.30	0.95
Leather	Dry	0.40	0.72
	Wet	0.40	1.14
	Oil	N/A	N/A

Slip Resistance: DIN 51130: 02.2014

Slip Resistance classification	R = 13 /V4	($\mu = > 0.71$)
Minimum Application Temperature	+4°C	
Service Temperature	-40°C/+79°C	

The values above are the results of illustrative lab test measurements and shall not be considered as a commitment from 3M.

Chemical Resistance

Water	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
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	IC	
Isopropyl Alcohol (25%)	R	
Methyl Ethyl Ketone	I	
Mineral Spirits	NR	
Trichloroethylene	NR	
Peanut Oil	R	
Hydraulic Fluid (Skydrol 500B)	I	
Motor Oil	R	
Gasoline (unleaded)	NR	
Diesel fuel	I	
50% Anti-freeze in water	R	
Wind screen washer fluid	R	
Salt Water	R	

Storage	Shelf life	5 years from the date on the original box
	Storage conditions!	+4°C to +38°C, out of sunlight, original container in clean area, humidity: 50% - 60%.
	The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as warranty.	
Disposal	Post-consumer waste can be disposed of in appropriate containers and/or be incinerated. European code for waste disposal: 20.01.04	
Origin	Made in USA with globally sourced materials	

Durability When exposed to pedestrian traffic only, the product will stand at least 1 million crossings (approx. 3 years if 1,000 people walking over every day).
Wheeled traffic will significantly reduce product life.

Surface Preparation Make sure surface is clean, dry, smooth and above minimum temperature of application.
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** 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. 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 (because quarry tiles are often impregnated with grease).

Wet areas:

For extra protection from excessive moisture or liquids (not constant moisture) use 3M Edge Sealer to protect the edges of 3M Safety-Walk materials against penetration of liquids.

Priming

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.

Maintenance

Periodically inspect product application to maintain product effectiveness.

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

General purpose treads should be decked-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.

Remarks

This bulletin provides technical information only.

Important notice

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

Additional information

Visit the web site of your local subsidiary at www.3M.eu/facilities.com for getting:

- a complete product overview about materials 3M is offering



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