3M™ Safety-Walk™

Coarse Tapes and Treads 710

Product Bulletin

Product Description

3M™ Safety-Walk™ Coarse Tapes and Treads 710 consists of large 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 tough, durable, slip resistant surface for heavy duty applications.

Primarily for use as a heavy duty, durable, slip resistant surface. For dry, wet, muddy, oily floors in industrial and commercial applications such as agriculture and forestry, road building, civil engineering and building construction, lorries, tractors, cranes construction vehicles, building machinery, armoured vehicles.

Product Features

- Rough, slip resistant surface
- Open construction (due to large mineral size), will prevent clogging
- Strong and very durable
- Tear resistant
- Resistant to chemicals
- Can be painted

Sizes

3M™ Safety-Walk™ Coarse Tapes and Treads 710 are available in different roll width and in different pre-cut treads. Please contact your local 3M contact for further information.

Accessories

3M primers (non exhaustive list):
- 3M Primer 94
- 3M Tape Primer 83
- 3M Edge Sealing Compound

Handroller

Product Characteristics

These are typical values. Please contact your 3M representative for a custom specification.

Physical & Application

Property and Test Method	Value / Result		
Applied thickness	1.27 mm		
Applied weight	1.68 kg/m²		
Resistance to UV	Good		
Colour	Black		
Fire behaviour			
EN 13501-1: 2010	Cfl s1		
EN45545-2: 2013 / Classification	R10	HL1	
EN ISO 5659-2: 2007	T10.03	Dsmax	313
	T11.01	CITgmax (4 min)	0.01
	T11.01	CITgmax (8 min)	0.03

Property and Test Method		Value / Result	
Static coefficient of friction: MIL-D-17951 E (SH)			
Surface	**Condition**	**Minimum**	**Values**
Rubber	Dry	0.60	1.24
	Wet	0.60	1.14
	Oil	0.60	1.05
Leather	Dry	0.60	0.90
	Wet	0.60	1.05
	Oil	N/A	N/A

Dynamic coefficient of friction: MIL-D-17951 E (SH)

Surface	Condition	Minimum	Values
Rubber	Dry	0.50	1.05
	Wet	0.60	1.00
	Oil	0.30	0.76
Leather	Dry	0.40	0.65
	Wet	0.40	0.83
	Oil	N/A	N/A

Slip Resistance: DIN 51130: 2010	
Slip Resistance	R = 13
Displacement volume	V = 8
Minimum Application Temperature	+4°C / +40°F
Service Temperature	-40°C (-40°F) / +79°C (+175°F)

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
Salt 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

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

Storage

Shelf life	5 years from the date on the original box
Storage conditions!	+15°C to +30°C, out of sunlight, original container in clean area, humidity: 50% - 60%.

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
Converted in France, in ISO 9002 & ISO 14001 certified plants.

Source of Supply France

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.

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 subsidary at www.3M.eu/facilities.com for getting:
- a complete product overview about materials 3M is offering

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Responsible for this technical bulletin

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