

# Jessup Safety Track® Non-Slip Materials



## Technical Data

July 2006

### Product Descriptions:

#### **Jessup® Safety Track® Commercial Grade Tapes and Treads 3100 & 3300 Series**

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 pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:* Clear, Black, Colors

*Custom Sizes:*

Available upon request.

#### **Jessup® Safety Track® Coarse Heavy Duty Tapes and Treads 3200 Series**

The product consists of large abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:* Black

*Custom Sizes:*

Available upon request.

#### **Jessup® Glo Brite® Safety Track® Tapes and Treads 3400 Series**

The product consists of strontium aluminate, Glow-in-the-Dark pigments and abrasive particles bonded by a tough, durable polymer to a dimensionally stable plastic film.

The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:*

Day Light-White/Green

Black Out-Light Green

*Custom Sizes:*

Available upon request.

#### **Jessup® Safety Track® Resilient Medium Tapes and Treads 3500 Series**

The product consists of dimensionally stable plastic film coated with a textured resilient surface. The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:* Black and Gray

*Custom Sizes and Colors:*

Available upon request.

#### **Jessup® Safety Track® Resilient Coarse Tapes and Treads 3600 Series**

This product is a coarse textured thermoplastic elastomer. The reverse side is coated with a pressure sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:* Black

*Custom Sizes:*

Available upon request.

#### **Jessup® Flex Track® Fine Vinyl Tapes and Treads 4100 Series Fine**

The product consists of a fine textured resilient top surface.

The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:*

White, Clear, Sandstone, Black

*Custom Sizes:*

Available upon request.

#### **Jessup® Flex Track® Coarse Vinyl Tapes and Treads 4200 Series**

The product consists of a coarse textured resilient top surface.

The reverse side is coated with a pressure-sensitive adhesive covered by a removable protective liner.

*Standard Sizes:*

Refer to Standard Product Chart

*Colors:* White, Clear, Black

*Custom Sizes:*

Available upon request.



# Product Selection Guide

Type of Jessup® Safety Track® Non-Slip Tapes and Treads						
Applications	Heavy Duty 3200 Series	Commercial Grade 3100 & 3300 Series	Resilient Medium 3500 Series	Resilient Coarse 3600 Series	Flex Track® Fine 4100 Series	Flex Track® Coarse 4200 Series
Farm Machinery	X	X				
Construction equipment Forklifts Cherry pickers	X	X		X		
Steps, stairs, and platforms		X	X	X		
Recreational vehicles Snowmobiles ATV's Garden tractors Lawn mowers	X	X	X	X		X
Wet & oily areas Loading docks Cold storage Catwalks Platforms/ramps	X	X		X		
Ladders Step stools Scaffolds		X	X	X		
Airline decks/cargo holds Trains Semi-trailers Buses Ship decks	X	X		X		
Water skis Surf boards Jet skis Boats		X	X	X		
Swimming pools Pool accessories Diving boards			X	X		
Bath area Showers					X	X
Bathtubs					X	X
Conveyors Pulleys		X	X			
Food service area		X				
Machine shops Auto repair shops Garages	X	X				

X- Recommended for flat or smooth surfaces

# Standard Product Chart

## Jessup® Safety Track® Non-Slip

### Tapes and Treads Standard Sizes and Colors

Size	Heavy Duty 3200 Series	Commercial Grade 3100 & 3300 & 3400 Series			Flex Track® Coarse Vinyl 4200 Series		Resilient Medium 3500 Series		Resilient Coarse 3600 Series	Flex Track® Fine Vinyl 4100 Series			
	Black	Black	Colors & Clear	Photo-luminescent	Black	Black & White	Black	Gray	Black	White	Clear	Sand-stone	Black
3/4" x 24"	X	X	X										
5 1/2" x 5 1/2"	X	X	X										
6" x 24"	X	X	X	X			X	X					
3" Circle				X									
3" Arrow				X									
3/4" x 7 1/2"										X	X	X	
16" x 34"										X	X	X	
16" x 40"										X		X	
24" x 24"										X			
1" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
2" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
3" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
4" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
6" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
12" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
18" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
24" x 60'	X	X	X	X	X	X	X	X		X	X	X	X
36" x 60'	X	X			X	X	X	X		X	X	X	X
36" x 75'									X				
48" x 60'	X	X			X	X	X	X		X	X	X	X
54" x 150'					X	X	X	X		X	X	X	X
3/4" x 17"										X	X	X	X
3/4" x 36"										X			

Custom sizes available upon request for all materials.  
 Custom colors available upon request for most materials.

# Typical Properties

Jessup Safety Track®					Flex Track®			
		Heavy Duty 3200 Series	Commercial Grade 3100                      3300 & 3400		Resilient Medium 3500 Series	Resilient Coarse 3600 Series	Coarse 4200 Series	Fine 4100 Series
Color		Black	Black	Colors Photoluminescent	Black Gray	Black	Black White Clear	Sandstone Clear White & Black
Applied Thickness		.035	.0275	.025	.025	.055	.017	.015
PSTC-1 Modified Peel Adhesion	Immediate	80 oz/1in.	80 oz/1in.	80 oz/1in.	43 oz/1in.	50 oz/1in.	43 oz/1in.	43 oz/1in.
	24 Hour	130 oz/1in.	130 oz/1in.	130 oz/1in.	53 oz/1in.	120 oz/1in.	53 oz/1in.	53 oz/1in.
Minimum Surface Application Temperature		50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)
Maximum / Minimum Service Temperature		150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)	150°F / -20°F (66°C) / (-29°C)
Grit Type and Size		Silicon Carbide 50 Grit	Silicon Carbide 80 Grit	Aluminum Oxide 50 Grit	N.A	N.A	N.A	N.A

Kinetic Coefficient of Friction				
Non-Skid Material	Leather	Wet Rubber	Wet Leather	Rubber
3100 Safety Track® Commercial Grade	1.01	1.20	1.55	1.13
3200 Safety Track® /Coarse Heavy Duty	0.74	1.11	1.37	0.93
3300 Series Safety Track® Colors Commercial Grade	0.81	0.83	1.35	0.93
3400 Series Glo Brite® Safety Track®	0.81	0.83	1.35	0.93
4100 Series Flex Track® Fine	0.27	1.06	0.90	1.05
4200 Series Flex Track® Coarse	0.26	1.16	1.00	1.05
3500 Series Safety Track® Resilient Medium	0.58	1.18	0.84	1.06
3600 Series Safety Track® Resilient Coarse	0.5	0.9	0.8	0.9

Use this table to select the correct Safety Track® product.  
 Recommendations are based on samples bonded to stainless steel after 7 days immersion.

## Chemical Resistance

Chemical	3100 Series	3200 Series	3300 Series	3500 Series
Bleach	R	R	I	R
MEK	NR	NR	NR	R
Mineral Spirits	R	R	R	R
Gasoline	IC	IC	IC	R
Diesel Fuel	R	R	R	R
Trichloroethylene	NR	NR	NR	NR
Water	R	R	R	R
50% Antifreeze	R	R	R	R
IPA	R	R	R	R
25% Sulfuric Acid	I	I	NR	NR
1% Sodium Hydroxide	IC	IC	IC	R
Hydraulic Fluid	R	R	R	R
Detergent	R	R	R	R

  

Chemical	3600 Series	4100 Series	4200 Series
Bleach	R	R	R
MEK	R	NR	NR
Mineral Spirits	R	R	R
Gasoline	R	R	R
Diesel Fuel	R	R	R
Trichloroethylene	NR	NR	NR
Water	R	R	R
50% Antifreeze	R	R	R
IPA	R	R	R
25% Sulfuric Acid	NR	IC	IC
1% Sodium Hydroxide	R	R	R
Hydraulic Fluid	R	R	R
Detergent	R	R	R

R=Recommended      I=Intermittent Exposure      IC=Incidental Contact with immediate clean up  
 NR=Not Recommended

## Surface Preparation Recommendation's

Surface	Solvent Wipe*	Strip Floor Finish; Degrease; Wash and Rinse**	Prime Coat Recommended
Bare metal/polyethylene/polypropylene	X		No
Painted metal or plastic/painted wood/ gel-coated fiberglass/epoxy-coated floor***	X	X	No
Rough or smooth porous concrete		X	Yes
Painted or coated smooth concrete		X	No
Vinyl tile/marble/terrazzo/ceramic		X	No
Quarry Tile		X	Yes

\* Use solvent suitable for removing grease and oil. Follow manufacturer's directions for proper handling.

\*\* Use detergent, degreaser or stripping chemical as appropriate.

\*\*\* Untreated and treated wood must be painted before application of any Jessup® Safety Track®

## Directions for use:

### **Surface Preparation Instructions:**

1. Make sure surface is clean, dry, smooth and above minimum application temperature when applying Jessup® Safety Track® Non-Slip material. Repair or replace any broken or damaged surface. Minimum application temperature: 50°F (10°C)
2. Remove chipped, cracked or peeled paint prior to applying Safety Track® material.
3. Remove loose residue from surface.
4. Floor finish should be removed from floor prior to application.
5. Referring to the Surface Preparation Table use cleaner or solvent wipe to clean surface. After cleaning, allow to dry thoroughly.

### **Priming Instructions:**

1. Prime clean, dry surfaces with a primer especially:
  - a. Uncoated concrete surfaces.
  - b. Coated, painted or porous concrete if surface is excessively rough.
  - c. Other porous surfaces.
2. Surface Priming:
  - a. Properly clean the surface following the Surface Preparation recommendation.
  - b. Use a brush to apply a thin coat of primer where treads are to be placed.
  - c. Allow the primed area to dry thoroughly (no evidence of stickiness or tackiness) before applying Safety Track® material.

### **Application Instructions:**

#### **Tools Needed:**

Rubber Hand Roller or Rubber Mallet

1. Individual pieces should be spaced a minimum of 1/2" apart and a maximum of 2" apart. 1/2" from stair edges.
2. Round the corners of any pieces cut from rolls.
3. Peel protective liner back about 2" from one end and position piece on surface. IMPORTANT: Minimize touching adhesive with fingers.
4. Continue to remove liner. 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 with 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.

### **Maintenance Instructions:**

- To maintain product effectiveness, the application should be inspected periodically.
- Keep free of dirt and other residue that might impair functionality.
- Safety Track® grit tapes and treads should be brushed or broomed regularly.
- Resilient tapes and treads should be mopped regularly.
- Use appropriate cleaner such as a general maintenance liquid to keep material and surrounding surfaces dirt and grease free.

### **To remove and replace worn or torn material:**

- Start by pulling up old material. Use of a heat gun may assist in this process.
- After removal of old material, use a citrus based industrial cleaner to soften adhesive residue and allow scraping of surface in preparation for product replacement.

### **Important for Proper Application and Service Life:**

1. All surfaces must be clean, dry and at recommended temperature before applying product.
2. Rough or porous surfaces must be primed for proper adhesion.
3. Rubber Hand Roller should be used to assure a firm bond when applying all Safety Track® materials.
4. For extra protection from excessive moisture or liquids, use an edge sealing compound.
5. Safety Track® material can be applied on most painted surfaces that are in good condition. Safety Track® material will adhere as well as the base paint. Painted surfaces must be thoroughly dry before application of Safety Track® Non-Slip material.
6. Treated or untreated wood must be painted prior to application of Safety Track® Non-Slip material.
7. Do not apply Safety Track® material over grouting. Also, avoid cracks in concrete and breaks in all surfaces.
8. Store product in its original carton at 72°F and 50% humidity.
9. It is recommended to use the product within 1 year from the date product is received.

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