HESKINS

ANTI-SLIP SOLUTIONS

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NSTXC Extra Coarse Safety-Grip™ Data Sheet

Description

The product is manufactured from a plastic film base with a top coating of aluminium oxide granules to provide slip resistance, the base has a thick coating of acrylic adhesive, and the adhesive is exposed by removing the protective paper backing liner.

Application

Due to the specific formulation of NSTXC it is solely designed for use in industrial, heavy-duty applications, typically construction equipment, agricultural machinery, access platforms etc. The large valleys in the minerals afford an ability to prevent clogging when saturated with soil, mud and other contaminants thus still offering a safety surface whilst its high-quality adhesive is designed to adhere onto powder coated metals which sometimes possess a low energy value requiring exceptional tack levels for permanent bond. It's very harsh and deep grit coating does not lend itself to conventional anti slip requirements, for these applications please try our standard (NSTS) or possibly coarse version (NSTXC).

Product advantages

- ✓ **Unique high performance and high coat weight adhesive formulation for permanent bonding onto even the most difficult surfaces**
- ✓ **Large grit granule anti slip top coating – prevents clogging to ensure it remains an effective anti slip surface even in muddy and soiled conditions**
- ✓ **Thick and tough plastic base helps prevent tearing and ensures it remains the longest lasting of all self-adhesive anti slip materials. NSTXC is at least twice as thick as conventional anti slip materials**
- ✓ **Resistant to chemicals**
- ✓ **Can be easily installed**

Available sizes

Any size is available, please inquire

H3402 HGXC Coarse Safety-Grip™ Data Sheet

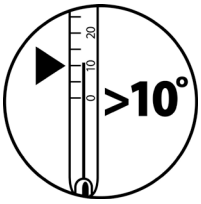
<table>
<tr><th>Test Method</th><th colspan="2">Value/result</th><th>Test method</th></tr>
<tr><td>Applied thickness
MIL D-17951</td><td colspan="2">0.07in</td><td>Calliper</td></tr>
<tr><td>Flammability</td><td colspan="2">4 acceptances
Test certificate 20151/1</td><td>Tests performed by Civil Aviations Authority testing house; Laboratory Testing Services Ltd in Otley, UK according to BS5438:1976 Test 2 and BS5867:1980 Part 2
(For our specific aviation approved flame retardant anti slip material please refer to our H3424)</td></tr>
<tr><td>Peel adhesion, lbf/in</td><td colspan="2">4.09</td><td>180˚ FINAT FTM1</td></tr>
<tr><td>Tensile strength, lbf/in</td><td colspan="2">17.15</td><td>Lloyd, 112 lbf load cell</td></tr>
<tr><td>Resistance to U.V.</td><td colspan="2">Good</td><td>Gray scale test</td></tr>
<tr><td>Applied weight</td><td colspan="2">4.113 g/m²</td><td>N/A</td></tr>
<tr><td>DIN 51130 (ZH1/571), German slip resistance test
Safest result possible, test performed by Säurefliesner-Vereinigung E.V. Research and advisory institute for floor and wall coverings</td><td colspan="2">R13</td><td>Inclined Platform Test for Slip Resistance In Shod Conditions
The critical angle at which a test person reaches the limit of safe walking on an inclined plane is used as a measure of slip resistance.
<table>
<tr><th></th><th>Operator 1 - Angle of Inclination</th><th>Operator 2 - Angle of Inclination</th></tr>
<tr><td>No.</td><td>°</td><td>°</td></tr>
<tr><td>1</td><td>>40</td><td>>40</td></tr>
<tr><td>2</td><td>>40</td><td>>40</td></tr>
<tr><td>3</td><td>>40</td><td>>40</td></tr>
</table></td></tr>
<tr><td rowspan="2">Coefficient of friction (slip resistance)</td><td>Dry</td><td>1.33</td><td>Coefficient of friction (slip resistance), ASTM C 1028-96 (static method)
High figures indicate higher slip performance, tests performed by Sotter Friction Testing Laboratory</td></tr>
<tr><td>Wet</td><td>1.21</td><td>High figures indicate higher slip performance, UK Slip Resistance Group guidelines put this in the best safety category, tests performed by Sotter Friction Testing Laboratory</td></tr>
<tr><td>Coefficient of friction (slip resistance), Pendulum method (dynamic method),</td><td>Dry</td><td>102</td><td>High figures indicate higher slip performance, UK Slip Resistance Group guidelines put this in the best safety category, tests performed by Sotter Friction Testing Laboratory</td></tr>
</table>

Conducted using TRL rubber	Wet	80	High figures indicate higher slip performance, UK Slip Resistance Group guidelines put this in the best safety category, tests performed by Sotter Friction Testing Laboratory
Minimum application temperature	39.2°F		N/A
Minimum service temperature	-22°F		Tests performed by Adhesive Technical, Purfleet, UK
Maximum service temperature	158°F		Tests performed by Adhesive Technical, Purfleet, UK
Adhesive strength	33.0		Test result taken 7/14/2006 by Adhesive Technical Services Ltd, Purfleet, UK, conducted according to AFERA specification Higher figures indicate higher adhesive performance.
Maximum size of master roll	46in x 328ft		N/A
Elongation at break *PSTC-31*	25%↑		PSTC-31
Resistance to water (months) *PSTC-35*	10		PSTC-35
Resistance to chemicals *PSTC-35*	Excellent		PSTC-35
Resistance to motor oil *PSTC-35*	Excellent		PSTC-35

LRV Test Results

SKU (Color)	RAL	Pantone	Av. LRV	Range
NSTXC_N (Black)	9004	Black U	0	0
NSTXC_V (Green)	6004	7484 U	0.6	0.9

But for best results follow the instructions below to ensure maximum performance in all environments.



1) Material Storage
Ensure the material is kept in dry, warm conditions in the original protective packaging.

2) Surface Preparation
A clean, dry surface is essential. Use an IPA cleaner to remove all surface contaminants (paint flakes, etc) – DO NOT use methylated spirits/petrol/lighter fluid etc as these leave behind a thin, greasy residue. Ensure prepared surface is above 50°F.

3) Porous Surface Sealing
Porous surfaces must be sealed prior to application to prevent water attacking the adhesive. Toluene based primers are ideal - we recommend our own product for this job. Apply a thin coat to the cleaned surface using a paint brush, then leave to dry.

4) Tape Application
Peel back part of the release liner then press the adhesive firmly onto the prepared surface, and slowly keep peeling back the liner while applying the tape. Try to ensure that the tape is not taut.

5) Finish!
Once applied, press tape down firmly using even pressure (decorating rollers are excellent for this). We recommend sealing the edges using 'edge fix' as this will extend the life of the product. Only use a small amount down the edges, a thin bead. If correctly applied, the new anti-slip surface can be walked on straight away, though you will get maximum benefit from the adhesive system after 48 hours.

All the above data is for reference only.