

TECHNICAL DATA SHEET

NO SKIDDING ES-83-1, 1 GALLON KIT FAST CURE SLIP RESISTANT EPOXY

DESCRIPTION

A tough coating that seals and protects in one application. An excellent all-in-one primer and topcoat for new and existing floors in industrial and commercial facilities. Resists high humidity and moisture. ES-83-1 is an abrasive, heavy duty, non-slip floor coating formulated with epoxy resins to give maximum adhesion. Anti-Slip when used with traction grit supplied.

PRODUCT CHARACTERISTICS

High solids, fast dry. One gallon, two component slip resistant epoxy protective coating for industrial and commercial applications. Supplied as a matte/low luster. Formulated to help solve slip injury problems.

Durable anti-slip protection for industrial settings, commercial environments and suitable for new construction, repair and maintenance.

TECHNICAL DATA

Finish	Low Luster	
Components	2	
Curing mechanism	Solvent release and chemical reaction between components	
Volume solids (ISO 3233)	66% ± 3%	
Dry Film thickness per coat	4-6 mils (100-150 microns)	
Coats	1 or 2	
Coverage	ft²/gal	m²/L
1 mil (25 microns)	1059	25.4
5 mils (125 microns)	212	5.1
VOC	Lb/gal	g/L
Mixed	2.5	300
Mixed/thinned (1/2 pt/gal)	2.8	335
Mixed/thinned (1 pt/gal)	3.0	359
Temperature limit	°F	°C
Continuous (dry)	200	93
Intermittent (dry)	250	121
Flash point (SETA)	°F	°C
Cure	82	28
Resin	82	28
Mixing Ratio (by volume)	4 parts resin to 1 part cure	
Environmental Conditions		
Temperature	°F	°C
Air and Surface	20 to 120	-7 to 49
Material (minimum)	40	4
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation		

ES-83-1 Chemical Resistance Guide

Environment	Splash and Spillage	Fumes and Weather
Acidic	F	G
Alkaline	E	E
Solvents	E	E
Salt Solutions		
Acidic	G	VG
Neutral	E	E
Alkaline	E	E
Water	E	E

* F-Fair G-Good E-Excellent VG-Very Good

Abrasion (ASTM D4060): 250 mg weight loss

Adhesion, Elcometer (ASTM D4541): >1000 psi

Chemical resistance-Condition after 1 year immersion

- 1 kg load/1000 cycles

- CS-17 Wheel

- Steam cleanable

- Salt water and fresh water: Excellent

- Application over wide range of surface temperatures from 20°F (-7°C) to 120°F (60°C)
- Self-priming, high-build coatings
- Durability & slip resistance on concrete, steel and other floor surfaces.

NOTICE: READ AND FULLY UNDERSTAND SDS BEFORE USING.

IMPORTANT NOTICE: This product is designed to help reduce the hazards of slippery areas when used with traction grit. This product cannot eliminate slipping. Seller and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended purpose, and the user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Buyer assumes all risks and liability associated with disposal. E & OE

266 Wildcat Road, Toronto, ON Canada M3J 2N5

Phone: (416) 667-1788 Fax: (416) 667-1783 Toll Free: 1-800-375-0571 sales@noskidding.com www.noskidding.com

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