

STOP-SLIP HDV™

Epoxy Coating - Highest Profile



PRODUCT DESCRIPTION:

Stop-Slip HDV™ is a 100% solids heavy duty non-slip coating for applications in slippery or wet areas to prevent slips and falls from pedestrian and rolling equipment traffic. This product was developed for use in industrial environments and incorporates epoxy resins modified with Kevlar to provide toughness, excellent chemical resistance, wear, corrosion resistance and excellent slip resistance performance.

RECOMMENDED FOR:

Recommended for skid proofing industrial areas or docks in heavy pedestrian or normal rolling equipment areas.

SOLIDS BY WEIGHT:

100%

SOLIDS BY VOLUME:

100%

VOLATILE ORGANIC CONTENT:

Zero grams per liter

STANDARD COLORS:

Medium gray and tile red

RECOMMENDED FILM THICKNESS:

50-60 mils (average)

COVERAGE PER GALLON:

Typical coverage is 30 square feet per gallon when applied with a phenolic core roller applicator.

PACKAGING INFORMATION

1 gallon kit (volume approximately 0.90 gallons) consisting of a gallon can part A (not full) and a quart can part B (not full)

MIX RATIO:

10.05 pounds part A to 1.90 pounds part B by weight

SHELF LIFE:

1 year in unopened containers when stored according to directions

COEFFICIENT OF FRICTION:

excellent ASTM F609

FLEXURAL STRENGTH:

>10,000 psi @ ASTM D790

COMPRESSIVE STRENGTH:

Greater than 15,000 psi @ ASTM D695

TENSILE STRENGTH:

Greater than 5,000 psi @ ASTM D638

ULTIMATE ELONGATION:

1.3%

FINISH CHARACTERISTICS:

High gloss

ABRASION RESISTANCE:

Excellent

ADHESION:

430 psi @ elcometer (concrete failure, no delamination)

HARDNESS:

Shore D= 80-90

VISCOSITY:

Part A= 2,100,000 cps (typical)

Part B= 1,000,000 cps (typical)

DOT CLASSIFICATION:

Part A "not regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

CURE SCHEDULE: (70°F)

pot life – (150 gram mass).....1 hour

theoretical pot life (1 gallon).....40 minutes

tack free (dry to touch).....4-6 hours

light foot traffic.....24 hours

full cure (heavy traffic)72 hours

APPLICATION TEMPERATURE:

50-90°F with relative humidity below 90% for best results

CHEMICAL RESISTANCE:

REAGENT	RATING
Xylene	C
MEK	A
Methanol	A
Ethyl alcohol	C
Skydrol	B
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	C
70% sulfuric acid	A
10% HCl (aq)	C
5% acetic acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

A primer is optional but recommended. Recommend Tigerskin™ as a low odor option.

TOPCOAT:

None normally required.

LIMITATIONS:

- Color stability or gloss may be affected by environmental conditions, high humidity, temperatures, chemical exposure or exposure to certain types of lighting such as sodium vapor lights.
- Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.

- This product is not UV color stable and may discolor when exposed to UV light sources.
- Substrate temperature must be 5°F above dew point.
- For best result, apply with a phenolic core roller applicator, rolling the material out in the same direction for the entire application.
- All new concrete must be cured for at least 30 days prior to application.
- Mix each component well before using. Because this material is high in viscosity, it should be mixed thoroughly once the part A and B are combined until uniform in color and consistency.
- Physical properties are typical values and not specifications.

MIXING AND APPLICATION INSTRUCTIONS

1) **PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Low temperature or great temperature fluctuations may cause product crystallization.

2) **SURFACE PREPARATION:** The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating.

3) **PRODUCT MIXING:** This product has a mix ratio of 10.05 pounds part A to 1.90 pounds part B by weight for standard colors. Standard packages are in pre-measured kits and should be mixed as supplied. We recommend that the kits not be broken down unless suitable weighing equipment is available. Before the two components are mixed together, mix the part A and part B separately to insure they are uniform before they are combined. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Continue mixing for another couple of minutes to insure a homogeneous mixture

that is properly mixed. Make sure you scrape the bottom and sides of the pail thoroughly while mixing. This material has a high viscosity – mix well. Improper mixing may result in product failure.

4) **PRIMING:** This product is intended to be used over a suitable primer. It is advisable to select a primer color similar to the color of the topcoat skid proof to be used. This product can also be used over a non-primed cement substrate, but adequate testing should be employed to assure adhesion and suitability before the actual application.

5) **PRODUCT APPLICATION:** Make certain that the primer where the product is to be applied, is clean, sound and free of all laitance, dirt, dust, oil, grease, water, or foreign contaminants and sufficiently cured to accept topcoats. Apply the mixed skid

proof coating by using a phenolic core roller so as to spread out the material in a uniform manner. It is equally important to roll the entire surface area in one direction to align the peaks and valleys generated from the phenolic core to insure a uniform look throughout the application area. Pour a ribbon on the surface approximately 6 inches wide. Pull material toward you with a moderate amount of pressure, but do not over-roll too many times or press down too heavily.

6) **RECOAT OR TOPCOATING:** Although this product can be top coated, it will not be easy to perform a topcoat application due to the rough texture of the surface. Accordingly, this product was developed for use without a topcoat. Product has only moderate UV and color stability. UV stable aliphatic urethanes are compatible for use as a topcoat only

when properly applied so as not to diminish the slip resistance. If you topcoat, make sure the skid proof coat has tacked off before recoating.

7) **CLEANUP:** Use Xylol.

8) **FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

8) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER:

DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**