



NSP SPECIALTY PRODUCTS

Technical Data Sheet

NSP 132 Non-Slip Safety Coating

Description: NSP 132 is a two component, high performance epoxy coating for use in areas where a non-slip surface is desired. This high solids topping features a unique texturizing agent incorporated into the resin. NSP 132 offers good protection from chemical, abrasion and corrosion attack on steel, concrete, or fiberglass surfaces. This coating provides the extra traction needed in wet or slippery areas to enhance safety.

Intended

Uses:

Stairs, Docks, Decks and Ramps
Aisles and Entryways
Production or Processing Areas
Machinery or Assembly Areas
Marine Applications
Laboratories

Product

Features:

Eliminates the need for extra aggregate broadcast steps and coats
Easy application of non-skid finish with roller and pan
Tenacious adhesion on properly prepared surfaces
Durable, attractive finish

Physical

Data:

Type: Modified Epoxy Resin/Proprietary Blend Amine Adduct Hardener
Color: White, Black, Tile Red, Light Gray. Safety Colors and other non-standard colors available upon request
Components: Two
Gloss: Semi-Gloss
Mixed Ratio: 3 Parts A (Resin): 1 Part B (Hardener) by volume
Volume Solids: 70% - VOC 2.01 lbs/gal
Pot Life @ 77F/25C: 1 hour
Maximum Recommended Service Temperature: Dry Air Temp 200F/93C
Application Temperatures: 50-90F (10-32C)
Minimum Recoat Time @ 77F/25C: 6 hours
Maximum Recoat Time @ 77F/25C: 48 hours
Minimum Cure Time – Full Service @ 77F/25C: 12 hours
Theoretical Coverage: 160 sq/ft/gal – allow for appropriate loss factors
Thinner: Not recommended
Packaging: Pre-portioned 1 and 4-Gallon Kits



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Limitations: This product may not cure properly in temperatures below 50 F (10 C)
All epoxies will show chalking/yellowing on exterior exposures. Application of epoxy coatings in cool temperatures and high humidity can result in the formation of amine blush. Blush may appear as a milky, white, tacky residue on the surface of the cured coating and must be removed before the application of another coat. Intercoat adhesion problems may occur if blush is not removed.

Surface Preparation: Steel - SSPC-SP6 Commercial Blast Cleaning with 2.0 mil profile.
Concrete – Concrete must be properly cured for a minimum of 28 days before application of coating. Surface must be entirely free of oil, grease, dirt, detergent, surface water, laitance, curing compounds, coatings or other contaminants that may interfere with adhesion. The concrete must be abrasive blasted to provide an anchor pattern (similar to 60-80 grit sandpaper min.) for adhesion. Final prepared surface should be clean, free from dust and rough. Consult SSPC-SP13 – Surface Preparation of Concrete.
Fiberglass – Surface must be entirely free of oil, grease, dirt, detergent, surface water or other contaminants that may interfere with adhesion. Sand or grind to produce a rough surface and to provide an anchor pattern for adhesion. Final prepared surface should be clean, free from dust and rough.

Mixing Instructions: This is a two-component system. Prior to mixing, components A Resin and B Hardener should be at room temperature (60-75 F/16-24C). Pour Part B Hardener into Part A Resin. Mix for 3 minutes using a Jiffy mixer head and a mechanical drill. To ensure complete mixing, scrape sides and bottom of container and continue mixing for an additional 1 or 2 minutes. Do not mix more material than can be applied within the pot life. DO NOT HAND MIX. Begin application immediately – no induction time is required.

Application: Air and surface temperature should be between 50-90F/10-32C. Do not begin application if air, substrate or material temperature is below 50 F/10C or expected to fall below 50F/10C within 12 hours of application. Do not begin application if dew point is within 5F/3C of the temperature. Variations in temperature can affect pot life properties of this material. Do not exceed 10% by volume of thinner with NSP-T1 Thinner. Clean up using Acetone or other Ketone Solvent. For concrete surfaces, a primer coat of either NSP 101 or 110 is required.



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Method of

Application: *Concrete:*

Primer: NSP 101 Scratch Primer or 110 Clear/Primer Topcoat to a spread rate of approx. 200 sq/ft/gal by phenolic core roller. Actual spread rate and film build is dependent on the porosity of the concrete. Allow 6 hours curing @ 77 Deg before proceeding to finish coat.

Finish Coat: After mixing, NSP 132 must be poured into a solvent resistance roller pan. Apply NSP 132 Non-Slip Safety Coating out of the roller pan using a 3/8" nap, phenolic core roller to a spread rate of approx. 150 sq/ft/gal. Do not allow material to puddle and smooth to desired texture using roller. Allow to cure for a minimum of 12 hours @ 77 Deg before allowing traffic.

Steel and Fiberglass:

After mixing, NSP 132 must be poured into a solvent resistance roller pan. Apply NSP 132 Non-Slip Safety Coating out of the roller pan using a 3/8" nap, phenolic core roller to a spread rate of 150 sq/ft/gal. Do not allow material to puddle and smooth to desired texture using roller. Allow to cure for a minimum of 12 hours @ 77 Deg before allowing traffic.

Recommended

Equipment: Solvent Resistant Roller Pan, Use 3/8" nap phenolic core roller. For an extremely aggressive non-skid surface, use a 1/2" nap, phenolic core roller can be used. A test patch is strongly recommended for customer's approval of desired texture before start of application.

Storage &

Shelf Life:

Shelf life is 12 months from the date of manufacture when stored in unopened containers and under recommended conditions. Material should be stored in a dry area under cover at temperatures between 45-95F/7-35C. It is recommended that the coating components be kept inside at a minimum of 60F/16C for 24 hours prior to start of application. Keep away from heat, flame and ignition sources.

Warning &

Safety:

FOR INDUSTRIAL USE ONLY – KEEP AWAY FROM CHILDREN – FLAMMABLE LIQUID
Refer to Material Safety Data Sheet for NSP 132 Part A and B supplied with this product prior to application. MSDS may be obtained via web site at www.nsp-specialty.com, fax 910-235-3902 or by calling 800-248-8907. Use only with adequate ventilation and avoid breathing mist or vapors. Prevent contact with skin and eyes with protective clothing/impervious gloves and goggles. Do not take internally. Wash thoroughly after handling.



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