



# NSP SPECIALTY PRODUCTS

## Technical Data Sheet

### NSP 110 Clear Primer/Topcoat

**Description:** NSP 110 Clear/Primer Topcoat is a two component, 100% solids, cycloaliphatic amine cured epoxy primer for use on properly prepared concrete. This product has been formulated to provide penetration into the concrete without the addition of solvents. NSP 110 can also be used as a durable, clear floor finish with good chemical and abrasion resistance.

#### Intended

**Uses:** High solids, filler/primer coat for NSP Flooring Systems  
Clear, high gloss floor coating

#### Product

**Features:** Excellent adhesion to concrete and masonry surfaces  
Low odor  
Ease of application by flat squeegee, roller or spray  
100% Solids, NO VOC, Low viscosity  
Fills small voids and hairline cracks before top coating  
Helps to prevent concrete outgassing

#### Physical

**Data:** Type: Modified Epoxy Resin/Blended Cycloaliphatic Hardener  
Color: Clear  
Components: Two  
Gloss: High  
Mixed Ratio: 2 Parts A (Resin): 1 Part B (Hardener) by volume  
Volume Solids: 100% - VOC 0 lbs/gal  
Pot Life @ 77F/25C: 45 minutes  
Application Temperatures: 50-90F (10-32C)  
Maximum Recommended Service Temperature: Dry Air Temp 200F/93C  
Minimum Recoat Time @ 77F/25C: 6 hours  
Maximum Recoat Time @ 77F/25C: 48 hours  
Minimum Cure Time – Full Service @ 77F/25C: 36 hours  
Theoretical Coverage: 1604 sq/ft/gal/mil – Allow for appropriate loss  
Recommended Spread Rate: 150-300 sq/ft/gal  
Thinner: Not Recommended  
Packaging: 3 Gal Kit



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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:**

New 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 and rough. Consult SSPC-SP13 – Surface Preparation of Concrete.  
Old Concrete - 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 and rough. Consult SSPC-SP13 – Surface Preparation of Concrete.

**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 HAND MIX. Begin application immediately – no induction time.

**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. Clean up with Acetone or other Ketone solvent.

**Method of**

**Application:** Flat Squeegee, Phenolic Core Roller, Airless Spray

**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. Do not let product freeze.



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#### **Warning & Safety:**

**FOR INDUSTRIAL USE ONLY – KEEP AWAY FROM CHILDREN – FLAMMABLE LIQUID**

Refer to Material Safety Data Sheet for NSP 110 Part A and B supplied with this product prior to application. MSDS may be obtained via web site at [www.nsp-specialty.com](http://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.

#### **Disclaimer & Limited Warranty:**

The information contained herein is intended to acquaint you with this product and is not intended to be exhaustive. This information is subject to modification from time to time without further notice. No agent, employee or representative of Seller has the authority to bind Seller to any oral affirmation, recommendation or representation of warranty unless contained in a written agreement signed by both Buyer and Seller. Seller expressly disclaims all other warranties, express or implied, including but not limited to any implied warranties of merchantability of fitness for a particular purpose or any other warranties relating to the condition of this product. Furthermore, Buyer acknowledges that it is familiar with and experienced in the use of industrial coating products and expressly assumes all responsibility resulting from or in any way connected with the possession, transportation, handling or use of this product, whether singly or in combination with other products. Seller's liability, with respect to any claim arising out of or relating to Buyer's purchase, possession or use of this product, is expressly limited to, at Seller's option, (i) replacement of the product, or (ii) return of the purchase price with transportation charges incurred by the Buyer, if material is proven defective. Any claim for defective product must be received in writing within one year from the date of shipment. Seller assumes no responsibility for incidental or consequential damages, or for any other damages related to any alleged nonconformity or defect in the product or to its purchase, possession or use.