

TECHNICAL DATA

NP013, Two-Component, Waterborne Epoxy Primer/Sealer

NP013 is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. NP013 has good chemical resistance, abrasion resistance, and substrate penetration. This product has a tack free time of about 3 hours and can support traffic in as little as 6-12 hours.

SHELF LIFE/STORAGE: Twelve (12) months in the original unopened container. 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 degrees F. Keep from freezing.

INSTALLATION: Surface Preparation: Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. This can be done by placing a 4' X 4' 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 does not show signs of eventual hydrostatic pressure problems that may later cause disbonding. However, this product can be applied to a damp floor as long as there are no standing puddles.

APPLICATION: This product comes pre-packaged by weight. Kits should be mixed in their entirety. If partial kits are to be used, refer to the front of this technical data for proper weight mix ratios. 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. This product is an emulsion product and should be mixed well before using.

The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. Apply material with relative humidity within the parameters shown on the technical data. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step. Applications made at different times with differing environmental conditions, may show slight variations in gloss.

PRECAUTIONS: Personnel should wear protective clothing and gloves, avoid contact of material with skin or eyes, and avoid breathing vapors. Mix and apply in well-ventilated areas and observe normal safety precautions. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY. Color or gloss may be affected by humidity, low temperatures, chemical exposure, or sodium vapor lighting. Product will yellow in the presence of UV light. For best results use a 1/4 or 3/8" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Product color will vary from batch to batch. Use only product from same batch for an entire job. Improper mixing or too thick of an application may result in product failure. Physical properties listed on this technical data sheet are typical values and not specifications.

CURE TIME @ 70°F, 85% R.H.

Pot Life (1 gallon) – 2 hours

Tack Free – 2-4 hours

Topcoat – 4-6 hours

MIX RATIO BY VOLUME:

4 to 1 (6.95# Part A to 1.75# Part B)

COVERAGE, Sq. Ft./Gal:

229 – 320 sq. ft. (5-6 mils wet)

STANDARD COLOR: Clear**CURED FILM FLEXIBILITY:**

Passes 1/8-inch Mandrel Bend

CURED FILM IMPACT:

Passes 50 in. lbs. Gardner Impact, direct

VOC CONTENT

250 g/l Calculated

TECHNICAL DATA**Property****Solids Content (By Weight):** 43 ± 2%**Solids Content (By Volume):** 40 ± 2%**Viscosity:** 400-900 cps (typical)**Adhesion:** 425 psi @ elcometer, (concrete failure, no delamination)**NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

LIMITED WARRANTY NPI warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any NPI materials prove to contain manufacturing defects that substantially effect their performance, NPI will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by NPI with respect to its materials. There are no other warranties, including the expressed or implied warranties of merchantability and fitness for a particular purpose. NPI specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of NPI's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the NPI material in question. 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 THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. 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.

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