

**Product Description: ICS NEXGEN Enamel**

**PRODUCT CODES:** IB-0564 – Clear Base | IB-1563 – White Base | IB-1562 – Deep Base | IB-3564 – Yellow Base  
IB-5547 – Red Base | IB-2565 – Fine Metallic Base | IB-2566 – Coarse Metallic Base

**DESCRIPTION:** The NEXGEN Enamel system has been developed as a fast drying, versatile, industrial finishing enamel for manufacturers of metal products. It offers a quick dry time, high gloss, and excellent color and gloss retention. NEXGEN is ideal for industrial OEM uses, including agricultural and construction equipment.

**PHYSICAL PROPERTIES:**

Weight Solids: 59% to 66%  
Volume Solids: 48% to 52%  
Resin Type: Modified Alkyd  
Gloss: 90+ at 60°  
Theoretical Coverage: 770 to 840 square feet at 1.0 mil  
Weight per Gallon: 9.0 to 11.0 pounds  
Viscosity: #3 Zahn – 20 to 30 seconds at 77°F  
EPA VOC: 3.5 pounds per gallon

**SURFACE PREPARATION:** The service expectancy of a coating is primarily dependent upon good surface preparation. The surface to be coated should be free of mill scale, rust, oil, and other contaminants, including salt deposits. For optimum adhesion, hot rolled steel should have the mill scale removed by an abrasive blast to SSPC-SP-6 to an average profile of 1.5 mils and then coated before flash rusting occurs. For long-term corrosion protection, a primer is recommended.

**Steel:** NEXGEN may be spray or dip applied over steel and other properly prepared substrates. Bare steel areas should be treated with iron phosphate conversion coatings and adequate rinsing.

**Aluminum/Galvanized:** Aluminum and galvanized should be treated with appropriate metal cleaners and conditioners, including a vinyl wash primer or acrylic latex primer.

**REDUCTION:** NEXGEN may be reduced with most aromatic solvents. Xylol (N-3023) or Butyl Acetate is the recommended “fast” reducer for application in cooler temperatures. D-100 (N-3065) can be used as a “slow” reducer to help the applied coating flow during warmer conditions. No reduction is recommended to maintain less than 3.5 pounds per gallon VOC.

**APPLICATION:** NEXGEN may be used for one-coat, direct to metal applications; however a primer is required for long-term corrosion protection. Primers should be tack free before topcoating. NEXGEN may be spray or dip applied. IG-0267 Urethane Activator can be used from 6A:1B to 10A:1B for enhanced cure, gloss, and abrasion resistance and exterior durability.

**Airless:** For airless or air-assist airless application, apply NEXGEN without reduction or reduced up to 15% by volume. Airless tip sizes should be in the .011 to .015 range.

**Conventional Air:** For air spray or conventional reduce approximately 20 to 30% by volume. Viscosity should be in the 18 to 30 second range - #2 Zahn cup.

**Dry Film Thickness:** Dry film thicknesses required are 1.0 to 3.0 mils above profile in a minimum of one or two full wet coats. Recoat at tack free or up to approximately 8 hours. After 8 hours apply a small test patch to check for evidence of lifting before proceeding with a full recoat.

**DRY TIMES:** NEXGEN will dry to tack free in 30 minutes and dry to handle in about 45 to 90 minutes depending on film thickness, humidity, temperature, and air movement. Full adhesion may be gained after 4 to 7 days drying

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time. Always check for evidence of lifting before proceeding with a full recoat. Lifting will typically occur between 8 to 48 hours. NEXGEN can be force dried at 160°F to 180°F for 20 minutes to enhance cure.

**CLEAN UP:** Use xylol to flush paint lines. N-9000 Gun Cleaner can be used for removing dried coatings.

**PERFORMANCE:** Typical, tested on B-1000 panels at 1.0 to 1.5 mils DFT  
Xenon Arc: 1100 hours – excellent weather ability  
240 hour Salt Spray: Pass direct to metal  
500 hour Salt Spray: Pass over primer – 3.0 mils total DFT  
Adhesion: 5 B

**SAFETY PRECAUTIONS:** Contains aromatic solvents and ketones. Vapor and spray mist harmful. Use proper respiratory protection. Refer to SDS for specific information. All information subject to change without notice.