

## NuCharge It Low VOC Enamel 171 Gloss / 172 Semi-gloss series

### PRODUCT DESCRIPTION

<b>Type</b>	Electrostatically applied acrylic modified alkyd enamel
<b>Description</b>	<b>NuCharge It Electrostatic Low VOC Enamel</b> is a premier, single-component, acrylic modified, air-dry enamel specifically formulated for interior and exterior usage with conventional and electrostatic spray equipment.
<b>Uses</b>	<ul style="list-style-type: none"><li>• Industrial applications such as lockers, furniture, gates, fences, doors, tanks, and structural steel.</li><li>• Suited for previously coated surfaces with unknown finishes that may be susceptible to lifting by stronger solvents used in urethanes and epoxies.</li></ul>
<b>Features</b>	<ul style="list-style-type: none"><li>• Gloss, and semi-gloss finishes available</li><li>• Custom color bases including metallic and mica</li><li>• Fast drying</li><li>• UV-resistant for exterior use</li></ul>

### SUBSTRATE & SURFACE PREPARATION

<b>All</b>	Substrate must be clean, dry and free of contaminants
<b>Steel &amp; Iron</b>	The minimum surface preparation for steel and iron is Hand Tool Cleaning per SSPC-SP2. Power Tool Cleaning per SSPC-SP3 is preferred for better performance. Prior to either procedure, the surface should be solvent cleaned per SSPC-SP1. Feathering around scratches is recommended because certain surfaces may lift when coated. A quick test should be conducted in an inconspicuous area to determine if a base coat should be removed or primed.
<b>Primer</b>	Recommended to use 211 Series NuCharge It Low VOC Universal Primer for exterior Applications.

### MIXING & THINNING

<b>Ratio</b>	1 - component
<b>Mixing</b>	Mix thoroughly before use by boxing or with mechanical agitation.
<b>Thinning</b>	Thinning is not normally needed. Add 560X1557 NuCharge It VOC Exempt Reducer as required. Add 3-4 ounces of 480X9999 Roll-A-Glaze per mixed gallon to reduce dry spray and orange peel, if required. 480X9999 Roll-A-Glaze can be added to help add a wet edge for spraying large parts and to aid in brush and roll applications.
<b>Pot Life</b>	n/a
<b>Cleanup</b>	Use NuCharge It Reducer (560X2005).

### APPLICATION GUIDANCE

<b>Application Conditions</b>	This product may be applied by electrostatic equipment, brush, roller, conventional spray, airless, and HVLP. Excessive film or surface contamination may cause adhesion problems and solvent entrapment.
<b>Brush</b>	Brush application in small areas
<b>Roller</b>	Short nap or mohair phenolic core roller
<b>Spray</b>	This product may be applied by electrostatic, conventional, HVLP, and airless equipment.

### CURE TIME & RECOAT WINDOW

<b>Substrate Temperature</b>	<b>To Touch</b>	<b>Tack Free</b>	<b>To Recoat</b>	<b>Full Cure</b>
75°F (24°C)	15 minutes	2 hours	Overnight or after 8 hours	7 days

Drying times are dependent upon film thickness, temperature and humidity.

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### PACKAGING, ESTIMATING & HANDLING

Product	Code	Packaging
NuCharge It Low VOC Enamel	171/172	1-gallon pails.

**Theoretical Coverage** 760 ft<sup>2</sup> / gallon @ 1.0 mil dry film thickness.

**Storage & Shelf Life** Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 2 years when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

**Safety** Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

**Ventilation** Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

### TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
<i>Specific properties below are of 171T1000 Gloss White</i>	
Colors	Full range
Gloss	High Gloss 85+ units Semi-gloss 45-55 units
Volume Solids	47.4%
Viscosity	25-35" Zahn 2
Recommended DFT	1.5 to 2.5 mils DFT yields 304-506 SF/GAL
Flash Point	46F°
VOC	<2.8 lbs. / gal. (334 g/L)
Weight / gallon	9.98
Temperature Resistance	225°F
Shelf Life	1 year

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