



## Two Pack Polyurethane Paint - Product Data Sheet

### **Product Description:**

Polyurethane 343 is heavy duty, two-pack air drying polyurethane finish for suitably primed steel, concrete and timber structures. The product provides excellent durability with superior gloss and colour retention. Ideal top coat for all structures in marine and chemical environment. Available in a wide range of colours.

### **Areas of Application**

Suitably primed structural steel, concrete, timber, galvanized iron, aluminium, and Zinalume.

### **Technical Data**

Colour	: As per Industrial Colour Chart
Solvent Resistance	: Very Good.
Toxicity	: Dry film is not toxic.
Thinning & Clean Up	: Thinner 904.
Theoretical Coverage	: 12.5 sq. m. / Litre at 40 µm DFT
Drying Time (at 25 <sup>0</sup> C & RH 60%)	: Touch dry: 1 - 2 hours Recoat : 16 hours. Cooler temperature, higher film thickness, and higher humidity conditions will require longer drying times.
Mixing Ratio	: 4: 1 (By Volume)
Pot life (at 25 <sup>0</sup> C)	: 4 - 6 hours
Packs available	: 4 L, 1 L.
Method of Application	: Can be applied by spray, brush or roller. Please use the method best suited to your requirement and skill. The use of either a synthetic sleeve of 10-mm nap or a foam sleeve, both with phenolic cores on a smooth surface is recommended. For airless application, use optimum pressure of 2200 psi with tip size 0.013- 0.015 inches.

### **Surface Preparation:**

**Steel:** Blast clean the surface or sand thoroughly with emery paper to remove all rust. Apply one coat of Metacare Epoxy Steel Primer 116 followed by one coat of Epoxy Sealer Undercoat 199.

**Galvanized iron, Aluminium, Zincalume:** If new, sand the surface lightly to provide mechanical key to the primer. In case oxide layer has formed, then clean with fresh water and stiff nylon brush. Apply one coat of Reaction Primer 113 followed by one coat of Epoxy Sealer Undercoat 199.

**Concrete:** Smooth, bare concrete must be acid etched with dilute hydrochloric acid. Flush the surface with plenty of fresh water to remove all traces of acid. Allow complete drying and apply one coat of Epoxy HB Undercoat 219.

In case of previously painted surfaces, remove oil, grease and other contaminants by solvent cleaning. Ensure to remove all loose paint by scraping and thorough sanding. Touch up bare metal areas with appropriate primer.

**Application:** Stir the contents of Base before mixing with the hardener in recommended ratio. Mix the two together and allow 15 minutes maturation. Add recommended thinner in desired proportion to suit the application. Apply uniformly two coats of finish.

### **Flammability & Transport :**

Highly flammable, Dangerous Goods Class 3.2, Flash Point 23<sup>0</sup>C. BASE- UN 1263, PG III HARDENER- UN 2206 PG III

### **Safety & Precautions:**

- Do not apply when surface temperature is below 10<sup>0</sup> C.
- Please refer to the Material Safety safety Data sheet before using the product.
- Use only the recommended thinner for dilution and cleaning.

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