



SIRIM

CERTIFIED TO MS125 : 1995
Certification No : PK017601

Hi-Gloss Enamel

Hi-Gloss Enamel is a solvent based, high gloss alkyd resin enamel designed for application over properly prepared or primed surfaces. It provides a brilliance gloss smooth finishing with good weathering resistance and excellent gloss retention. It has good workability with good sag resistance and provide a highly decorative finishing for all metal works and wood trimming application.

Recommended Use : Hi-Gloss Enamel is widely used for both interior and exterior application, together with KCC recommended anti-corrosion primers and prepared timber works or to restore old fading paintwork such as wall paneling, doors, fencing, roof fascias and metal works, which require a decorative and protective gloss color finishing.

Technical Information

Vehicle Type	: Oil Base Alkyd Resin
Finish	: High Gloss
Component	: Single pack
Color	: Refer to Color Cards, ATM Colorbank multi-color tinting also available
Volume Solids	: White 50%, varies depending on colors
Drying By	: Solvent Evaporation, Oxidation
Flash Point	: 35 deg. C
Specific Gravity	: 1.00 - 1.20, varies depend on colors
Dry Film Thickness (Dft)	: 25 - 30 microns / coat
Viscosity (ASTM D-562)	: 85 KU (± 5)
Shelf Life	: Minimum 1 year - unopened

Application Details

Apply Over	: Primed or Prepared Substrate
Primer / Undercoat	: Refer to KCC recommendation
Application Methods	: Brush / Roller / Spray
Wet Film / Coat	: Approx. 60 - 70 microns
Dry Film / Coat	: Approx. 30 - 35 microns
Drying Time	: Touch 120 mins Recoat 240 mins
Theo. Spreading Rate	: Approx. 16 m ² / litre*
No of coats	: 2 - 3 coats, depending on color
Clean Up	: KCC Thinner 51
Packaging	: 1.0 / 5.0 / 15 litres

* When estimating paint quantity, please make provision for spray or application losses since spreading rate may vary depending on the surface roughness and porosity of the substrate.

Surface Preparation

Ferrous Metal

Metalworks must be primed with anti-corrosion primers, refer to the primers surface preparation requirement. Prior to painting Hi-Gloss Enamel, the primer surface coating must be sound, intact and free of rust and contaminants. If any rust is spotted, make good the primer coat with the recommended anti-corrosion primer before topcoating with Hi-Gloss Enamel.

Woodwork

Fill nail-holes and mirror imperfections with the recommended wood putty, follow by sanding smooth timber works and blowing all sanding dust.

Galvanized Surfaces

Galvanized steelwork shall be primed with PolyEtch 100, epoxy wash primer before coating with Hi-Gloss Enamel.

Typical Painting System

<u>Surface condition</u>	<u>Primer (1 coat)</u>	<u>Undercoat (1 coat)</u>	<u>Topcoat (2 coats)</u>
Wood	Alkyd 151 AL	Koramel Undercoat	Hi-Gloss Enamel
Ferrous Metal	Zinc Chromate	Koramel Undercoat	Hi-Gloss Enamel
Galvanized Iron	PolyEtch 100	Koramel Undercoat	Hi-Gloss Enamel

Application

Stir thoroughly to a uniform consistency before use. Thinning is normally not necessary, however if required except for absorbent surfaces and better workability, thin with a small quantity of thinner maybe added.

Suitable for application by brush, roller or spray. Apply paint evenly by brush or roller, and avoid any missing areas. Spraying is recommended, and typical equipment, especially airless spray should employ a fluid tip / needle size at least 0.017".

Cleaning

Remove as much product as possible from application equipment before cleaning. Clean equipment immediately after use with solvent and rinse thoroughly. Do not empty product into drains or watercourses. Replace lid firmly.

Technical Services

KCC maintains a technical division to investigate and advise on all problems related to our product application. The division will advise on the correct selection of and specification for the required painting system. Contact the division through KCC Sales department.

Safety Precaution

- This product is flammable.
- Ensure good ventilation during application and drying.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of soap and water.
- When spray, do not breathe in spray mist, wear suitable respiratory protective equipment.
- Keep out of reach of children.

Disclaimer : The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.