



TECHNICAL DATA SHEET

[KCC LUSTREX]

Premium Alkyd Gloss Enamel

PRODUCT DESCRIPTION

A professional exterior and interior range of premium alkyd solvent based enamel as protective coating for metal and wood surfaces suitable for new and repainting projects.

- ▶ Excellent gloss.
- ▶ High gloss finishing.
- ▶ Excellent hiding power.
- ▶ Accredited with SIRIM MS 125:1995.
- ▶ High durability.
- ▶ Easy application.
- ▶ Superior algae and fungus resistance.

DESIGN USE

○ As a top coat for substrates such as metal and wood surfaces.

PHYSICAL DATA

| | |
|--------------------------|--|
| VOLUME SOLIDS | 41.5 ± 2% |
| DRY FILM THICKNESS (DFT) | 35 µm / Coat |
| WET FILM THICKNESS (WFT) | 84.34 µm / Coat |
| NUMBER OF COATS | 2 |
| THEORETICAL COVERAGE | 11.86 m ² /L/coat |
| FINISH | High Gloss |
| COLOUR RANGE | Wide colour range (Please consult KCC Technical Department) |
| NO. OF COMPONENTS | 1 |
| STANDARD PACKING SIZE | 1L, 5L |

RECOMMENDED PAINTING SYSTEM

| Substrate: Wood | | No. of Coats |
|---|-------------------------------------|--------------|
| System | Product | |
| Undercoat | KCC LUSTREX Undercoat | 1 |
| Finish | KCC LUSTREX | 2 |
| Substrate: Metal | | No. of Coats |
| System | Product | |
| Primer | Metal-Prime 212 / Metal-Prime 213ZP | 1 |
| Undercoat | KCC LUSTREX Undercoat | 1 |
| Finish | KCC LUSTREX | 2 |
| Substrate: Previously Painted Wood, Metal | | No. of Coats |
| System | Product | |
| Finish | KCC LUSTREX | 2 |

APPLICATION METHOD

Brush, Roller or Spray application

* Stir the contents thoroughly before use. Thinning is normally not necessary. However, if required for better workability, do not exceed 5% dilution ratio. Clean up equipment with **Thinner 51** immediately after use.

DRYING TIME

| Substrate Temperature | Touch Dry | Hard Dry | Overcoating Interval | |
|-----------------------|-----------|----------|----------------------|---------|
| | | | Minimum | Maximum |
| 15°C | 5hr | 8hr | 8hr | - |
| 25°C | 3hr | 6hr | 6hr | - |
| 35°C | 2hr | 4hr | 4hr | - |

ADDITIONAL INFORMATION

| | |
|----------------------|---|
| Thinner | Thinner 51 |
| Thinning Ratio | Do not exceed 5% dilution ratio. |
| Cleaning Solvent | Thinner 51 |
| Flash Point | 35°C |
| Storage Requirements | Cool, dry and well ventilated area away from heat and direct sunlight(5~35°C). Lid must be kept tightly closed. |



TECHNICAL DATA SHEET

[KCC LUSTREX]

Premium Alkyd Gloss Enamel

SURFACE PREPARATION

Metal

- ◆ Abrasive blasting is the most effective and economical method for maximum performance.
- ◆ Hand power tool cleaning to St 3 (ISO 8501-1:1988) is recommended when blast cleaning is impractical due to site and safety limitations.
- ◆ Prior to painting, ensure steel surfaces is thoroughly free from any oil and grease residues and foreign matter.
- ◆ The scraped areas should be spot-primed with a metal primer.

Wood

- ◆ Wood substrate must be sound and free from dirt, grease and any contaminations.
- ◆ Scrape off all loose woodwork and all protrusions must be rounded-off.
- ◆ Fill nail-holes and minor imperfections with an appropriate wood putty.
- ◆ Sand smooth with #320 sandpaper.
- ◆ The scraped areas should be spot-primed with a wood surface undercoat.

Previously Painted Surfaces

- ◆ All loose or defective paintwork or powdery residues shall be thoroughly removed by high pressure water jet cleaning.
- ◆ For woodworks, treat any areas affected by mould, lichens, algae and moss with "KCC Fungicidal Solution" and make good defective areas.
- ◆ For metalworks maintenance painting, power brush spot rust areas and dilute paint to ensure good wetting.
- ◆ Apply by brush on spot rusted areas.

Application conditions

- ◆ Ensure the surface is completely clean and dry.
- ◆ Ensure the relative humidity below 90% before painting.
- ◆ Ensure the surface temperature at least 3°C above dew point temperature.

REMARK

- ☞ Always conduct an application point test on small area. Check for any abnormalities and paint defects prior to painting.
 - ☞ This product should only be applied over concrete, plaster and masonry substrate that have been suitably sealed and primed.
 - ☞ Avoid excessive thinning as it will result in colour difference, poor hiding power, poor finishing, and overall paint performance compromised.
 - ☞ Always follow TDS recommended coating thickness and ensure uniform application thickness. Inconsistent film thickness will result in difference sheen level and unpleasant finishing.
 - ☞ It is recommended to paint the same colour with same batch number, using same painting equipment and method and also follow instructed thinning ratio to ensure consistent painted finishing.
 - ☞ Recommended to paint according to TDS and Application guide.
- (Please consult with KCC customer service for any inquiries or browse to our website www.kccpaint.com.my)*

SAFETY PRECAUTIONS

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

FIRST AID

- | | |
|-------------------|---|
| Eyes | Rinse immediately with plenty of water and seek medical advice. |
| Skin | Wash immediately with plenty of soap and water. |
| Inhalation | Remove to fresh air, loosen collar and keep patient rested. |
| Ingestion | DO NOT INDUCE VOMITING. Obtain medical attention. |

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.