



TECHNICAL DATA SHEET

[KORAMEL]

Alkyd Gloss Enamel

PRODUCT DESCRIPTION

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

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

DESIGN USE

⊙ As a top coat for substrates such as iron, steel, timber and woodworks surfaces.

PHYSICAL DATA

VOLUME SOLIDS	45 ± 2%
DRY FILM THICKNESS (DFT)	35 µm / Coat
WET FILM THICKNESS (WFT)	78 µm / Coat
NUMBER OF COATS	2
THEORITICAL COVERAGE	13 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, 15L

RECOMMENDED PAINTING SYSTEM

Substrate: Timber, Wood

<u>System</u>	<u>Product</u>	No. of Coats
Undercoat	Alkyd 131UC / Koramel UC / Eva Undercoat	1
Finish	Koramel	2

Substrate: Iron, Steel

<u>System</u>	<u>Product</u>	No. of Coats
Primer	Metal-Prime 212ROX / Metal-Prime 213ZP	1
Finish	Koramel	2

Substrate: Previously Painted Timber, Wood

<u>System</u>	<u>Product</u>	No. of Coats
Primer	Not Necessary	-
Undercoat	Not Necessary	-
Finish	Koramel	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



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15°C	5hr	24hr	24hr	-
25°C	2.5hr	6hr	6hr	-
35°C	1.5hr	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.

SURFACE PREPARATION

Steelworks

- ◆ 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.

New Timberworks

- ◆ Timber 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.

Previously Painted Surfaces

- ◆ All loose or defective paintwork or powdery residues shall be thoroughly removed by high pressure water jet cleaning.
- ◆ For timberworks, treat any areas affected by mould, lichens, algae and moss with "KCC Fungicidal Solution" and make good defective areas.
- ◆ For steelwork 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.

REMARKS

- ☞ 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 that have been suitably sealed and primed
- ☞ Avoid excessive thinning as it will results 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 results 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



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consistent painted finishing.

- ☞ Do not skip primer and sealer application as concrete primer and sealers will minimize efflorescence defects on humid area.
- ☞ 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 breath 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