

## KORAMEL H2O

Full Acrylic Water-Based Topcoat

### PRODUCT DESCRIPTION

Koramel H2O is a water based acrylic top coating specifically formulated for application on wood and metal substrate. It is easy to apply and provide good fungus resistance, durability, non yellowing property, and good gloss retention to painted finishing. This water based technology became alternative to conventional alkyd enamels.

- ▶ Good UV resistant
- ▶ Good hardness and blocking resistant (Core shell technology)
- ▶ Certified with SIRIM Eco Label.
- ▶ Non yellowing
- ▶ Fast dry, reduce overcoating interval.
- ▶ Easy application on metal and wood substrates
- ▶ Gloss and Satin finishing available.

### DESIGN USE

As a general purpose finish coat interior and exterior on woodworks, timber, steel and metal surfaces. Suitable for new and repainting projects.

### PHYSICAL DATA

Volume Solids	40 ± 2%
Dry Film Thickness (DFT)	35 µm / Coat
Wet Film Thickness (WFT)	87.5 µm / Coat
Number of Coats	2
Theoretical Coverage	11.67 m <sup>2</sup> /L/coat
Finish	Gloss
Colour Range	White
	<i>(Please consult KCC representative for custom colours)</i>
No. of Components	1
Standard Packing Size	1L, 5L, 18L
Shelf-Life	12 months

### RECOMMENDED PAINTING SYSTEM

#### Substrate: Ferrous and non-ferrous metal

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Primer	Aquaprime	1
Finish	Koramel H2O	2

#### Substrate: Wood

<u>System</u>	<u>Product</u>	<u>No. of Coats</u>
Undercoat	Koramel H2O Undercoat / Lustrex Undercoat	1
Finish	Koramel H2O	2



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**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 water immediately after use.

**DRYING TIME**

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Minimum	Maximum
15°C	50 Min	5 H	5 H	N/A
25°C	30 Min	3H	3 H	N/A
35°C	15 Min	1.5 H	1.5 H	N/A

**ADDITIONAL INFORMATION**

Thinner	Clean Water
Thinning Ratio	Do not exceed 5% dilution ratio.
Cleaning Solvent	Clean Water
Flash Point	Non-Flammable
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**

**New Metal and Wood Surfaces**

- ▶ All new surfaces should be dry out thoroughly.
- ▶ A light sanding on the surface with suitable abbrasive material is recommended to ensure better adhesion.
- ▶ All surface contaminants such as laitance, dust, oil and grease residue shall be removed by using scraper, sandpapers and clean slit brushes.

**Previously Painted Surfaces**

- ▶ If fungus, algae, and moss is present, treat with "KCC Fungidal Solution"
- ▶ Make good minor defects with an appropriate suitable exterior putty sealant.
- ▶ For overcoating over old coatings, a high pressure water jet cleaning should be performed to remove all loose or defective paintwork or powdery residues.

**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.



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### 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 on metal substrate and wood 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 in 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](http://www.kccpaint.com.my))*

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### SAFETY PRECAUTIONS

- ▶ Ensure adequate ventilation during application and drying.
- ▶ Avoid contact with eyes and skin.
- ▶ In case of 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.

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<b>Eyes</b>	Rinse immediately with plenty of water and seek medical advice.
<b>Skin</b>	Wash immediately with plenty of soap
<b>Inhalation</b>	Remove to fresh air, loosen collar and keep patient rested.
<b>Ingestion</b>	Do not induce vomiting. Seek medical attention.

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### 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.*

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