



## Technical Data

# Koramel H2O



SIRIM  
ECO-LABEL  
Licence No : ECO 013



032-124-1620  
Environmentally Preferred Coating

**Koramel H2O** is a technological advanced, and environmental friendly alkyd emulsified high gloss enamel designed for application over properly prepared or primed surfaces. It provides a highly decorative and protective gloss finishing with outstanding weathering and long lasting durability for all metal and wood trimming application.

**Recommended Use :** Koramel H2O is recommended for application in the construction and building industries where strict legislation is enforced for Green building or Eco-environmental products are enforced. It provides a tough and smooth gloss finishing for metal and woodwork for both interior and exterior application.

### Technical Information

Vehicle Type	: Hybrid Alkyd Emulsion
Finish	: High Gloss
Component	: Single pack
Color	: Refer to Color Cards, ATM Colorbank multi-color tinting also available
Volume Solids	: White 43%, varies depending on colors
Drying By	: Evaporation, Coalescence
Flash Point	: Non Flammable
Specific Gravity	: 1.18, varies depend on colors
Dry Film Thickness (Dft)	: 25 - 30 microns / coat
Viscosity (ASTM D-562)	: 80 KU ( $\pm 5$ )
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. 75 - 80 microns
Dry Film / Coat	: Approx. 30 - 35 microns
Drying Time	: Touch 30 mins Recoat 240 mins
Theo. Spreading Rate	: Approx. 16 m <sup>2</sup> / litre*
No of coats	: 2 - 3 coats, depending on color
Clean Up	: Clean Water
Packaging	: 1.0 / 5.0 / 18 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 Koramel H2O, 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 Koramel H2O.

**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 Koramel H2O.

**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	Koramel H2O
Ferrous Metal	Zinc Chromate	Koramel Undercoat	Koramel H2O
Galvanized Iron	PolyEtch 100	Koramel Undercoat	Koramel H2O

**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 clean water.

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 0.021”.

**Cleaning**

Remove as much product as possible from application equipment before cleaning. Clean equipment immediately after use in warm soapy water 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**

- 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.