



PRODUCT DATA SHEET

KOSAQUA ECO SERIES

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WATER-BASED PAINT ENAMEL FOR INTERIOR AND EXTERIOR METAL & WOOD

DESCRIPTION

KOSAQUA ECO SERIES is premium interior enamel formulated with advanced waterborne Acrylic hybrid technology designed for application over properly prepared or primed surfaces. KOSAQUA ECO SERIES exhibits application and appearance characteristics similar to traditional oil-based paint, but has low odor, high gloss, fast drying, and allows for water cleanup. KOSAQUA ECO SERIES is suitable for use on interior as well as exterior wood and metal surfaces especially ideal for use in commercial and residential areas such as hospitals, residential buildings, schools and hotels. It provides:

- Low VOC and low odor
- Fast drying High Gloss Finish (Or Satin Finish)
- Excellent Flow & Opacity
- Does not contain lead, mercury and heavy metals
- Anti-Fungus property
- Good Adhesion on Metals and Woods
- Resistance to yellowing

PHYSICAL PROPERTIES

Colour	: Wide colour range
Appearance	: High Gloss or Satin Gloss Finish
Specific Gravity	: $1.23 \pm 0.05 \text{ g/cm}^3$ (White)
Solid Content	: $42 \pm 2\%$ by volume. (Varies depend on colors)
Touch Dry	: 45 - 60 mins (at 30°C)
Hard Dry	: 3 - 4 hours (at 30°C)
Recoating Time	: 3 hours minimum based on normal condition
Flash Point	: Non Flammable

KOSSAN PAINT (M) SDN.BHD

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SURFACE PREPARATION

Wood Substrates:

Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sandpaper and then clean off and dry. Fill nail-holes and mirror imperfections with the recommended wood putty, follow by sanding smooth timberworks and blowing all sanding dust.

Metal Substrates

Surface must be dry and free from dirt, grease and other contaminants. Ferrous substrate should be sanded or wire-brushed to remove mill scales and rust. Clean off dust and dry. New metal surfaces shall be primed with KOSAQUA PRIME before coating with KOSAQUA ECO SERIES.

Galvanized Surfaces

Galvanized steelwork shall be primed with KOSECHING PRIMER 1.02 OR KOSECHING PVB PRIMER 1.00 before coating with KOSAQUA ECO SERIES.

Previously Painted Surfaces:

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulled to provide a roughened surface for good adhesion. The scraped areas should be spot-primed using KOSAQUA PRIME for metal and wood surfaces.

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MIXING / APPLICATION DATA

- Application by Airless Spray : Pressure at nozzle : 120-150 bar. Nozzle size : 0.38-0.53mm.
Spray angle 40-80 degrees.
Volume of water dilution required: 0 - 5%
- Application by Air Spray (Conventional Spray) : Pressure at nozzle: 3-5 bar. Nozzle size: 1.2-2.0mm
Volume of water dilution required: 5 to 10%
- Application by Brush / Roller : Suitable.
For better finishing, it is advisable to apply using roller application follow by trim with brush.
The paint is ready to use after thorough stirring. If necessary, dilute with maximum 5% water.
- Thinner / Cleaner : Water
- Recommended WFT : 71 to 95 μm
- Recommended DFT : 30 to 40 μm (per coat)
- Recommended number of coats : 2 -3 coats

CONDITIONS

Humidity : below 90% R.H.

Temperature of the paint before application : min.10°C, max. 40°C.

Substrate temperature min. 5°C, max. 45°C. The temperature of the substrate should be at least 3°C above the dew point of the air. Air temperature and relative humidity should be measured in the vicinity of the substrate.

THEORITICAL COVERAGE & PACKING SIZE

- Coverage : 10 – 14 m²/litre per coat.
Packing Size : 1 Litre & 5 Litres

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STORAGE

KOSAQUA ECO SERIES has a minimum shelf-life of 12 months when stored at cool and dry place. Containers must be kept tightly closed.

HEALTH & SAFETY

Avoid skin and eyes contact by wearing suitable overalls, gloves, goggles, etc. Spillage on the skin should immediately be removed by thorough washing with water and soap. Eyes should be well flushed with water and medical attention sought immediately.

DISCLAIMER

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factor affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product data without notice.

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