



## PRODUCT DATA SHEET

## KOSAQUA-PRIME

### KOSAQUA-PRIME

#### WATER-BASED PIGMENTED PRIMER FOR WOOD & METAL

##### DESCRIPTION

KOSAQUA-PRIME is a low VOC, single component, water-based Acrylic primer for priming of proper prepared wood and metal substrates. It is easy to apply and promotes better adhesion and build for both interior as well as exterior wood and metal substrate. This primer can be easily sanded to a smooth finish if required. It is also suitable for renovation priming of previously printed surfaces with alkyd or chemically harden paints. Use it with KOSAQUA ECO for a high gloss or satin finishing.

##### PRODUCT FEATURES:

- Low VOC and low odor
- Fast drying
- Good Flow & Opacity
- Does not contain lead, mercury and heavy metals
- Good Adhesion on Metals and Woods

##### PHYSICAL PROPERTIES

Colour	: White (or wide color range)
Appearance	: Matt finishing
Specific Gravity	: $1.27 \pm 0.05 \text{ gm/cm}^3$ (White)
Solid Content	: $42 \pm 5\%$ by volume
Touch Dry	: 45 – 60 minutes (at 30°C)
Hard Dry	: 2 to 3 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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Tel: 603-33922799; Fax: 603-33923799; e-mail: [lsk@kossanpaint.com.my](mailto:lsk@kossanpaint.com.my); Website: [www.kossanpaint.com](http://www.kossanpaint.com)



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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 topcoat 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-PRIME and 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.

### MIXING / APPLICATION DATA

- |  |   |
|--|---|
| Application by Airless Spray                     | : Pressure at nozzle : 120-150 bar. Nozzle size : 0.38-0.53mm.<br>Spray angle 40-80 degrees.<br>Volume of water dilution required: 0 - 5% |
| Application by Air Spray<br>(Conventional Spray) | : Pressure at nozzle: 3-5 bar. Nozzle size: 1.2-2.0mm<br>Volume of water dilution required: 5 to 10%                                      |

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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 - 119  $\mu\text{m}$

Recommended DFT : 30 - 50  $\mu\text{m}$

Recommended Number of coats : 1 to 2 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  $\text{m}^2$ /litre per coat.

Packing Size : 1 Litre & 5 Litres

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### STORAGE

**KOSAQUA-PRIME** 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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