



## TimberWarna

**TimberWarna** is a water-borne, environmental friendly acrylic resin emulsion formulated to be applied direct to exterior wood / timber works. It is formulated with stable and outstanding UV resistant color pigment which exhibit good color fastness against weathering degradation. It has outstanding adhesion properties over woodwork and provide an effective anti mould protection.

**Recommended Use :** TimberWarna is usually used for the restoration and painting of exterior woodwork, such as timber wall cladding, fencing, roof wooden fascias, wooden pavilion and any timberworks which require a decorative and protective pigmented color finishing. TimberWarna is also recommended to be apply direct over galvanized gutters.

### Technical Information

Vehicle Type	: Acylic Emulsion
Finish	: Low Gloss
Component	: Single pack
Color	: Refer to standard ColorCard
Volume Solids	: 40%, varies depending on colors
Drying By	: Evaporation, Coalescence
Flash Point	: Non Flammable
Specific Gravity	: 1.28 - 1.30, varies depend on colors
Dry Film Thickness (Dft)	: 30 - 40 microns / coat
Viscosity (ASTM D-562)	: 90 KU ( $\pm 5$ )
Shelf Life	: Minimum 1 year - unopened

### Application Details

Apply Over	: Timber Substrate
Primer / Sealer	: Not Required
Application Methods	: Brush / Roller / Spray
Wet Film / Coat	: Approx. 80 - 100 microns
Dry Film / Coat	: Approx. 30 - 35 microns
Drying Time	: Touch 30 mins Recoat 45 mins
Theo. Spreading Rate	: Approx. 12 m <sup>2</sup> / litre*, may vary depending on roughness and porosity of substrates
No of coats	: 2 coats
Clean Up	: Clean Water
Packaging	: 5.0 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

### New Timberworks

Timber substrate must be sound and free from dirt, grease and any contaminations. Scrap off all loose wood work and all protrusions shall be round-off. Fill nail-holes and minor imperfections with an appropriate wood putty, sand smooth with #320 sandpaper.

### Previously Painted Surface

All loose or defective paintwork or powdery residues shall be thoroughly removed by high pressure water jet cleaning. Treat any areas affected by mould, lichens, algae and moss with "KCC Fungicidal Solution". Make good minor defects with an appropriate suitable exterior putty sealant.

## Typical Painting System

<u>Substrate</u>	<u>1st coat ( Sealer )</u>	<u>Finishing ( 2 coats )</u>
Timber / Woodworks	Not Necessary	TimberWarna
Previously Painted Surface	Not Necessary	TimberWarna
Non Ferrous Metal	PolyEtch 100	TimberWarna
Galvanized Steelwork	PolyEtch 100	TimberWarna

## 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.

Disclaimers: 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.