



Toplus Weather Plus

TPWP
5 & 18 Litre



Description

Toplus Weather Plus is a premium quality, 100% full acrylic based emulsion paint. It is specially formulated for the tropics with excellent weathering properties, fungus and algae resistance. Toplus Weather Plus finishes have excellent alkali resistance, adhesion and durability. It is formulated to provide at least 5 years protection against fungus and algae growth with correct application.

Usage

For decoration and protection of previously painted or new exterior walls for a long lasting aesthetic finish.

Composition

| | | |
|--------------|---|--|
| Pigment | : | Lightfast Non – Lead Pigments and Mineral Extenders. |
| Binder | : | 100% Full Acrylic Emulsion. |
| Volume Solid | : | White 40% (Nominal), others colours will vary. |
| Diluent | : | Water |

Properties

| | | |
|----------------------|---|--|
| Finishing | : | Smooth Matt Finish. |
| Colour | : | A wide range of colours. Please refer Toplus Weather Plus Colour Card. |
| Theoretical Coverage | : | 11 – 13 m ² /Litre |
| Drying Time | : | *Touch dry – 15 to 30 minutes. * Hard dry – 1 to 2 hour. *Dependent on temperature and humidity. |
| Recoating Interval | : | 1 to 2 hours. |

Application Method

| | | |
|------------------------|---|---|
| Brush | : | For normal use thinning is not usually necessary. |
| Roller | : | For normal use thinning is not usually necessary. Can be thin 5 – 10% by volume with water to assist application. |
| Conventional Air Spray | : | Thin with 10 – 20% by volume with water and adjust to requirement. |
| Airless Spray | : | Thinning is not usually necessary. Can be thin 5 – 10% volume with water to assist application. |

Surface Preparation

Remove all loose, defective paint or powdery residues by wire brushing, scraping, or high pressure water jet. Treat any areas affected by fungus growth with fungicidal wash solution and left dry before painting. Repair cracks, uneven surfaces with putty or suitable fillers. Smoothen the putty areas with sandpaper. Make sure all surfaces are dry before painting. Avoid painting when the moisture content of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by Protimeter)

Painting Guide

| Surface | Primer (1 coat) | Finish (1 - 3 coats) |
|---------------------|--|----------------------|
| Powdery Surface | Smart Green Sealer 850 Smart Wall Sealer 800 Smart Wall Sealer 900 | Toplus Weather Plus |
| Alkali/ New Surface | Smart Green Sealer 850 Smart Wall Sealer 800 Smart Wall Sealer 900 | Toplus Weather Plus |

Composition / Information on Ingredients

| Component | % by weight |
|------------------|-------------|
| Emulsion Polymer | >40 |
| Pigment | >25 |
| Mineral Filler | >25 |
| Water | >25 |

Hazard Identification

Not classified

First Aid Measures

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

Fire Fighting Measures

| | |
|----------------------------------|---|
| CLASSIFICATION | : Flammable, harmful |
| *FLASH POINT | : 35oC |
| *EXPLOSIVE LIMITS (% BY VOLUME): | |
| • LEL | : 0.6 |
| • UEL | : 7.0 |
| FIRE EXTINGUISHING MEDIA | : Foam, CO2, Dry Powder, sand |
| FIRE FIGHTING PROCEDURES | : Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible. |
| *properties of solvent used | |

Accidental Release Measures

| | |
|---------------------------|---|
| Personal precautions | : Put on adequate protective equipment. Avoid breathe vapours. |
| Environmental precautions | : Keep away from drains, surface-water, ground-water and soil. |
| Methods for cleaning up | : Collect as much as possible in a clean container for disposal. Cover the remainder with inert absorbent. Disposal according to local. |

Physical & Chemical Properties

| | |
|--|--------------------------------------|
| Appearance / Colours | : Viscous liquid with various colour |
| Solid | : <55% (depends on colour) |
| Specific Gravity @ 25oC | : 1.35 – 1.45 (depends on colour) |
| Boiling Point | : 100 oC |
| Melting Point | : 0 C |
| Vapour Pressure (Air = 1) | : >1 |
| Vapour Density (101.3 Kpa / Air = 1) | : >1 |
| Evaporation Rate (N – Butyl Ether = 1) | : <1 |
| Solubility | : Miscible with water |
| ODOUR | : Mild |

Handling And Storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

Exposure Controls / Personal Protection

| | | |
|------------------------|---|---|
| Respiratory Protection | : | Use approved respiratory protection such as air supplied mask if used in enclosed spaces. |
| Hand Protection | : | Chemically resistant gloves. |
| Eye protection | : | Chemical splash-proof goggles or face shield |
| Ventilation | : | Sufficient ventilation should be provided during application. |

Stability and Reactivity

| | | |
|----------------------------------|---|------------------------------------|
| Conditions to avoid | : | Heat, flames and sparks. |
| Materials to avoid | : | Strong oxidizing agents |
| Hazardous Decomposition Products | : | Carbon monoxide and carbon dioxide |

Toxicological Information

| | | |
|--------------------------|---|--|
| Skin contact | : | Prolonged and repeated contact may cause slight skin irritation. |
| Eye contact | : | Prolonged and repeated contact may cause slight temporary eye irritation. |
| Inhalation | : | Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting. |
| Effects Of Over Exposure | : | High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lung, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur. |

Ecological Information

No ecological studies have been carried out on this product.

Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

Transport information

| Proper shipping name | Un NO |
|----------------------|---------------|
| ROAD (ADR) | Not Regulated |
| RAIL (RID) | Not Regulated |
| AIR (ICAO/IATA) | Not Regulated |
| SEA (IMO/IMDG) | Not Regulated |

Regulatory Information

Risk-phrases : R10 Flammable.

Safety phrase : S2 Keep out of reach of children.
 S7 Keep container tightly closed
 S16 Keep away from sources of ignition – NO SMOKING
 S23 Do not breathe gas/ fumes/ vapour/ spray
 S24 Avoid contact with skin
 S57 Use appropriate container to avoid environmental contamination.
 S43A In case of fire use sand, earth, chemical powder or foam.

Other Information

All information appearing herein is based on our present state of our knowledge. However the information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

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