

DECORSHIELD

ACRYLIC EXTERIOR SHIELD

DW-500

No. TD : D-025
Revision : 01
Effective Date : 07/11/2024

DECORSHIELD ACRYLIC EXTERIOR SHIELD DW-500 is an exterior decorative paint made from 100% premium acrylic emulsion and high grade UV resistant color pigments. This product provides protection up to twelve years from weather, ultra violet light, fungus, mold and algae.

USES

- Exterior wall and ceiling
- Cement plaster
- Concrete
- Masonry

FEATURES AND BENEFITS

- Good weather resistant up to 12 years
- Low dirt pick-up
- Good UV resistant
- Good alkali resistant
- Free from watermark
- Excellent color retention
- Good hiding power and wide coverage
- Easy to clean
- Waterbased , free from heavy metal and enviromental friendly
- Singapore Green Label certified

PRODUCT DATA

Type	: 100 % premium acrylic emulsion
Color	: As shown in the color card
Finish	: Matt
Solid by volume	: 36.0 – 40.0%
Specific gravity	: 1.26 – 1.34
Theoretical coverage	: 9.0 – 13.0 m ² /liter (per coat, 30 - 40 dry film thickness) Depend on film thickness and wastage during application.
Drying time	: Surface dry = 1 hour (30° C) Depend on temperature and humidity
Packaging	: 2.5 liters, 20 liters
Storage	: The product must be stored in accordance with national regulations. Keep the container in a dry, cool, well ventilated space and away from sources of heat and ignition. Container must be kept tightly closed. Handle with care.

APPLICATION

Thinning ratio by volume	: 10 % clean water
Application methode	: Brush, Roll, Airless Spray Gun
Wet film thickness	: 80 – 110 microns (per coat)
Dry film thickness	: 30 – 40 microns (per coat)
Recommended dry film thickness	: 60 – 90 microns (2 – 3 x 30 microns), depend on color
Recoating interval	: Minimum 2 hours (30° C), when the first paint film already dry
Cleaning	: Wash all equipment immediately after use with water

SURFACE PREPARATION

1. The surface must be dry, clean, sound, and free from all contaminants. Newly build wall must be dry after 28 days old. Make sure moisture content / dampness of wall $\leq 16\%$ measured using Protimeter appliance and wall alkalinity (pH) 7 – 8 measured using Universal pH indicator.
2. Remove all loose material or defective paint by sanding, brushing, or scrapping with the appropriate tools.
3. Treat any areas affected by mould, algae, moss and lichens with **PROPAN FUNGICIDAL WASH**
4. Repair defects with mixture of **PROCRETE CEMENT FILLER CF-700** and **PROCRETE BONDING AGENT BDA-810** for large holes and crack, allow to dry.
5. It is recommended to apply alkali resisting primer before applying this coating.

APPLICATION CONDITION

Temperature : Minimum 15° C
Maximum 50° C
Humidity maximum : 80 % RH
Provide adequate ventilation during application and drying.

RECOMMENDED COATING SCHEDULE

- Primer coat : **DECOR ALKALI RESISTING PRIMER AR-300** without thinning, 1 x 30 microns dry film thickness or **DECOR ALKALI RESISTING PRIMER AS-310** without thinning, 1 x 30 microns (dry film thickness) for cement plaster & concrete wall with higher level of alkaline content.
- Finish coat : **DECORSHIELD ACRYLIC EXTERIOR SHIELD DW-500** thinning with 1 part of clean water to 10 parts of paint , 2 – 3 x 30 microns (dry film thickness) depend on color.

PRECAUTION

Do not take internally. This product is non toxic and non flammable. It does not contain any material with heavy metals such as mercury and lead. Avoid contact with the skin and eyes. Higher concentrations produce more severe irritation. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use barrier cream. Wash splashes from skin or eyes immediately. Read all safety, security, health and environment precautions before use.

FIRST AID

Eye contact : Rinse immediately with plenty of clean water. Seek medical advice.
Skin contact : Wash off thoroughly with plenty of water and soap immediately.
Remove contaminated clothing. If irritation occurs, seek medical advice.
Inhalation : Remove person to fresh air, loosen collar and avoid exertion.
Keep patient rested and give artificial respiration.
Ingestion : Provide symptomatic treatment and seek medical advice

DISCLAIMER

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.