

## TECHNICAL DATA SHEET FOR

**Evo ALKALINE RESISTANCE WALL SEALER**

**DESCRIPTION** : Evo Alkaline Resistance Wall Sealer is a water-based sealer with low VOCs (Volatile Organic Content) and extremely low odour during application and drying. It is for interior and exterior use.

It is formulated to be an environmentally favorable GREEN product with good alkaline resistance to prevent deterioration of emulsion paints by strong concentration of cement chemicals.

Evo Alkaline Resistance Wall Sealer is specially formulated for use together with our new series of green products to provide a total low odour paint system.

**TYPE** : Modified Acrylic Polymer Emulsion

**COLOUR** : White

**FINISH** : Matt finish

**USES** :

- Specially designed as a sealer for new and old cement rendered surfaces, such as cement, plastered walls, brickwork and fibre-boards
- The extremely low odour and VOC is especially ideal for use for interiors walls of occupied premises such as hospitals, schools, offices, hotels, nursing homes and residential buildings

**FEATURES** :

- Environmentally friendly green emulsion product
- Ultra-low VOCs
- Extremely low odour during application and drying
- Ammonia-free
- Non-toxic, does not contain lead, mercury and heavy metals
- Good alkaline resistance
- Anti-fungus property
- Good hiding and coverage
- Fast drying for convenient recoating
- Easy application
- Environmentally friendly paint certified under the Singapore Green Building Product Certification Scheme

**APPLICATION DATA**

**METHOD** : Roller or brush

**THEORETICAL COVERAGE** : 10 – 13 m<sup>2</sup> / litre (35 microns DFT)

**DILUTION** : No dilution is necessary for best performance

## Evo ALKALINE RESISTANCE WALL SEALER

- SURFACE PREPARATION** : Ensure surface is clean, dry and stable using the following suggested surface treatments:
- **Moisture** :There must not be any water residue on the surface of the substrate. Moisture must be <4% (Sovereign moisture master) before application
  - **Unstable matter** :Remove loose bonding film, dirt, peeling paint, etc by high-pressure water jet wash or mechanical means such as power brush or scraper, whichever is suitable
  - **Contaminants** :Remove dust and foreign matter by cleaning with damp cloth. Remove oil or grease using solvent or mild detergent. Allow surface to dry
  - **Fungus and Algae** :Wash the affected area to remove unstable matters and micro-organisms. Apply Anti-Fungus Solution and leave on for at least 2 hours
  - **Hairline cracks** :Fill cracks with suitable exterior grade water-resistant putty or filler
- DRYING TIME** : Surface Dry - 30 minutes at 30 °C  
Hard Dry - 60 minutes at 30 °C
- OVERCOATING TIME** : 2 hours minimum based on normal conditions
- RECOMMENDED PAINTING SYSTEM** : 1 Coat of Evo Alkaline Resistance Wall Sealer  
2 Coats of Evo series finishing coat
- CLEANING** : All equipments should be cleaned with water immediately after use

### PERFORMANCE DATA

| Test Items          | Test Methods                 | Results       |
|---------------------|------------------------------|---------------|
| Fineness            | SS5 : Part B13 : 2003 (2013) | Below 50 µm   |
| Viscosity           | SS5 : Part B12 : 2013        | 90 - 94 kU    |
| Non-volatile Matter | SS5 : Part B2 : 2013         | 61.0 – 65.0 % |
| Specific Gravity    | SS5 : Part B7 : 2013         | 1.39 – 1.43   |
| Gloss (85°)         | SS5 : Part E1 : 2003 (2013)  | Below 5 units |
| Hard Drying Time    | SS5 : Part D3 : 1988         | Below 60 mins |
| Alkali Resistance   |                              |               |
| -1 Day              |                              |               |
| 1% NaOH :           |                              | Passed        |
| 4% NaOH :           | SS5 : Part G2 : 2003         | Passed        |
| - 7 Days            |                              |               |
| 1% NaOH :           |                              | Passed        |
| 4% NaOH :           |                              | Passed        |

**Evo ALKALINE RESISTANCE WALL SEALER****PERFORMANCE DATA**

| Test Items                                      | Test Methods                | Results      |
|---|-----------------------------|--------------|
| Alkali Resistance                               |                             |              |
| -1 Day  |                             |              |
| 1% NaOH :                                       |                             | Passed       |
| 4% NaOH :                                       | SS5 : Part G2 : 2003        | Passed       |
| - 7 Days  |                             |              |
| 1% NaOH :                                       |                             | Passed       |
| 4% NaOH :                                       |                             | Passed       |
| Adhesion Test                                   | ASTM D3359-05               | Passed       |
| Volatile Organic Content (VOC)                  | ASTM D3960-04               | Below 50 g/L |
| Cadmium (Cd) Content                            | EPA 3052/6010B              | Not Detected |
| Lead (Pb) Content                               | EPA 3052/6010B              | Not Detected |
| Mercury (Hg) Content                            | EPA 3052/6010B              | Not Detected |
| Hexavalent Chromium (Cr <sup>6+</sup> ) Content | EPA 3060A/7196A             | Not Detected |
| Epichlorohydrin Content                         | Static Headspace Outgassing | Not Detected |
| Formaldehyde Content                            | Solvent Extraction GCMS     | Not Detected |

**GENERAL INFORMATION**

- PACKING** : 5 litres
- STORAGE** : Store in a tightly sealed container in a cool, dry place
- SHELF LIFE** : Up to 24 months in a tightly sealed container
- PRECAUTION** : Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment

Refer to the product Safety Data Sheet for more information

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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