

## GROWGUARD LONG LIFE EXTERIOR EMULSION

Growguard Long life Exterior emulsion paint is a high durable premium exterior smooth top coat based on 100 % pure cross-linked Acrylic co-polymer emulsion fortified with advanced antialgal formulation, inert pigment & fillers, hydrophobic

water repellent additives for long lasting aesthetics and functional protection on exterior walls.

**Water Based, Low VOC, No added Lead, Mercury and other heavy metals.**

### PRODUCT ATTRIBUTES:



Ultra-Durable & Long-Lasting finish and colour retention.



Smooth finish with rich sheen.



Outstanding Algal & Fungal resistance.



Excellent Dirt Pick up Resistance (DPUR).



Good Anti Carbonation Property.



Excellent adhesion & Washability.



Excellent Water Repellency.



Excellent Ultraviolet light resistance.



Easy Application.



Easy cleanability with soap & water



### WARRANTY

Growguard Long Life Exterior Topcoat comes with a comprehensive performance warranty of 7 years in moderately humid tropical non-coastal climate (5 years warranty for coastal markets). It also provides

waterproofing warranty for 3 years when applied over Growguard Damproof base coat. For details refer to Growel warranty guidelines booklet.

### APPLICATION GUIDELINES:

**Application Tool** - Brush or Roller

**Thinner for Dilution & Cleaning** - clean soft Water

**Dilution Recommendations:**

- Growguard Exterior Primer - 40-50 % by volume with water
- Growguard Damproof- Base Coat - 10 - 35 % by volume of water based on recommended application DFT.
- Growguard Long Life Exterior Emulsion - Top Coat - 30-40 % By volume with water

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### Recommended Painting System -

- For non- coastal market -Growguard Exterior primer – 1 coat followed by 2 coats of Growguard Long life topcoat.
- For Coastal Market – Growguard Dampproof Base coat -1 coat followed by 2 coats of Growguard Long life Topcoat.

**For coastal market and for walls with high dampness use of Growguard dampproof base coat is recommended as primer coat.**

**For waterproofing warranty apply Growguard dampproof primer with minimum dilution (approx. 5-10%) to ensure coverage of 30 sq. ft per litre (approx. 150 micron DFT)**

## TECHNICAL DATA OR SPECIFICATION :

**Colour** – As per Shade Card & Custom Colours.

**Finish** – Smooth finish with Excellent Sheen.

**Specific Gravity** -  $1.22 \pm 0.05$

**VOC < 50 gm/lit**

**Spreading Capacity** – 50 – 60 sq.ft / litre / 2 coats at 70-80 mic DFT

(Actual Spreading may vary depending on substrate condition & application method. Deep shades may require additional coats for proper hiding).

**Drying Time at 30°C** –

- Touch Dry – 1 hour.
- Recoatibility – 6 – 8 hours.

( depending on Temperature, humidity, Air Movement, Film Thickness & number of coats ).

**Stability of Diluted Paint** – To be used within 24 hours.

**Shelf Life** – 3 years from date of manufacture in original sealed container, away from direct sunlight and excessive heat.

**Flash Point ( IS 101 / 1987 : Part 1 )** – Material is not flammable .

## SURFACE PREPARATION STEPS:



### Curing of Plaster -

New masonry surfaces/plaster must be allowed to cure completely for minimum 28 days to ensure full cure prior to painting.



### Cleaning of the surface -

Clean the surface with high pressure water jet / wire brush to ensure that the surface to be painted is free from any loose paint, powdery material, dust, oil & grease, fungus, moulds and algae infestation.



### Anti-Fungal Treatment -

Apply a coat of commercial bio wash if patches of black mould or algae are still visible after cleaning. Allow antifungal coat to air dry for 4 - 6 hrs. or overnight before the start of painting.



### Repairing of Cracks and dents present on the surface -

Repair minor cracks (less than 3 mm) with exterior cement putty and larger cracks and dents with polymer-based repair mortar. Surface imperfections such as holes & bigger cracks are to be opened up first in “V” shape & filled with an appropriate crack filling material or with a mixture of white cement & fine sand (in the ratio of 1:3). Allow time interval of about 6-8 hrs. between coats.



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### PAINT APPLICATION PROCEDURE:

- For thoroughly cured new masonry / freshly plastered surface, apply 1st coat of Growguard exterior primer as sealer coat.
- For walls having surface dampness more than 10% it is recommended to first give a water proofing treatment with repair mortar to control dampness. Thereafter apply Growguard – damp proof Base coat by diluting 1 litre of Growguard - Base coat with maximum 300-350 ml of water, uniformly on the surface.
- For better antialgal protection on edges, parapet, chajjas, slopped tile areas it is advisable to use an extra coat of dampproof base coat
- Allow the base coat to air-dry for 4 - 6 hrs. before application of Growguard – long life Exterior Topcoat.
- Apply 1st coat of Growguard – Long Life Exterior Topcoat, by diluting 1 litre of Paint with maximum 350-450 ml with water.
- Allow the film to dry for 4-6 hours
- Apply second coat of Growguard Long Life topcoat after dilution with 250-300 ml water.
- Ensure that the horizontal surfaces like top of window slabs, chajjas, top surface of parapet areas are painted with an additional coat of Growguard Long life topcoat for greater protection.
- For extremely rough texture surface apply topcoat by brush only to ensure all grooves and dents are well covered.

### RECOMMENDED CARE POST PAINTING :

To enhance best performance and visual appearance of the painted wall, it is advisable to wash the surface with clean water

at regular intervals e.g. once in every 6 months to ensure cleaning of loosely held dust, algal & fungal spores, if any.

### PRECAUTIONS :

- Stir well & strain before use.
- Prior to use, read and follow product specification & label information.
- Avoid contact with eyes & skin.
- Use safety equipment's like rubber or polythene gloves, safety goggle / glasses and face mask.
- Prior to painting, ensure that the surface is dry. In case of any dampness, find out the source of water & repaired it.
- pH of wall to be below 12, if higher use Growel's Sealer coat, as recommended.
- Do not apply when ambient temperature is less than 10°C or above 45°C.
- Do not apply during rains or when it is expected to rain.
- Do not over-thin or over-extend the brush.
- Do not carry out tinting at site.
- For extremely rough surface, carry out painting process by brush.
- Paint will not cover existing cracks, proper care to be taken at the time of surface preparation.
- Primer coat or only one coat of topcoat should not be kept exposed in monsoon. Complete application before monsoon to be ensured.
- Please avoid movements of heavy & sharp equipment's / objects etc. on the surface.

### SAFETY FEATURES :

- Kindly refer to the MSDS of the product for detailed information on safety measures - handling the paint etc.
- Store the container with the lid tightly closed in an upright position, in a cool, dry place.
- Keep out of reach of children & away from eatables.
- In case of ingestion seek immediate medical attention.
- Wear safety goggles during application. In case of contact with eyes, rinse immediately with plenty of water & seek medical advice.
- In case of skin contact immediately wash skin with soap & plenty of water. Get medical attention if irritation persists.
- It is recommended to wear suitable face mask during sanding & surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- Consumers should consult a local recycling agency for proper disposal of left over paint/drums.

## **GROWGUARD LONG LIFE EXTERIOR EMULSION**

### **FREIGHT CLASSIFICATION: PAINT**

#### **PACKAGING:**



### **LIMITATION OF LIABILITY :**

To The Best Of Our Knowledge, The Technical Data Contained Herein Are True & Accurate At The Date Of Issuance But, Are Subject To Change Without Prior Notice.