

ECO EMULSION

ALKALI RESISTING PRIMER

EAR - 4001 (WATER BASED)

No. TD : E-031/APCT

Revision : 01

Effective Date : 28/07/2021

ECO EMULSION Alkali Resisting Primer EAR-4001 is a water based acrylic alkali resisting primer for cement plaster and concrete wall & ceiling.

This product is suitable for painting newly build wall & ceiling surfaces and effective to prevent the degradation of paint by alkalinity of cement.

ECO EMULSION Alkali Resisting Primer EAR-4001 has excellent penetration and adhesion to substrates which in turn gives better adhesion for finish coat layer and easy to apply.

PRODUCT DATA

Type	: Acrylic Copolymer Emulsion
Color	: White
Finish	: Matt
Solid by volume	: $\pm 37.0 \%$
Specific gravity	: ± 1.24
Theoretical coverage	: $7 - 10 \text{ m}^2 / \text{kg}$ (one coat, 30 - 40 microns Dry Film Thickness) Depend on film thickness, surface porosity and wastage during application.
Drying time	: Surface dry = 1 hours (30°C) Depend on temperature and humidity
Packaging	: 4 kg, 21 kg
Storage Stability	: One year if stored cool and dry and in original not opened container (Do not store below freezing point)

APPLICATION

Thinning ratio by volume	: - (ready for use)
Application method	: Brush, Roll, Air spray or Airless spray
Wet film thickness	: 85 - 110 microns (one coat)
Dry film thickness	: 30 - 40 microns (one coat)
Recommended dry film thickness	: 30 - 40 microns (1 x 30 - 40 microns)
Recoating interval	: Minimum = 2 hours (30°C), when the first paint film already dry Maximum = -
Post treatment	: Masking tape is used to protect surface not to be painted, e.g. door and window frames. As the dry film is elastic, cut the line with a knife or a cutter before remove the masking tape.
Cleaning	: Wash all equipment immediately after use with clean water

SURFACE PREPARATION

- 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.
- Remove all loose material or defective paint by thorough brushing and scraping using active fibre brush.
- Treat any areas affected by mould, algae, moss and lichens with **PROPAN Fungicidal Wash**.
- Repair defects with suitable filler. Use sand and cement mix for large holes and crack. Allow to dry.

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 : ECO EMULSION Alkali Resisting Primer EAR – 4001 without thinning, 1 x 30 microns Dry Film Thickness
- Finish coat : ECOSHIELD ES-600, or ECO EMULSION EE-4010, ECO EMULSION EE-4012, or ECOSAFE EE-4019, or ECO EMULSION EASY WASH EE-4021 thinning with 1 part of clean water to 10 parts of paint, 2 – 3 x 30 microns Dry Film Thickness, depend on color.

SAFETY, SECURITY, HEALTH AND ENVIRONMENT

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. Ensure adequate ventilation and fresh air entry during application and drying. If there are experiences eye watering, headaches, dizziness or difficulty breathing, leave the area to obtain fresh air or wear respiratory protection. If continued difficulty is experienced, get medical attention immediately. Do not breathe vapor or spray mist. Keep away from food, drink and animal feeding stuffs. Dangerous to fish and other aquatic life. Do not contaminate watercourses or ground. This material and its container must be disposed of in a safe way. Avoid all contact with plant life. Close container after each use and keep out of reach of children. Keep in original container, tightly closed, in cool and dry place. Avoid direct sunlight. Keep from freezing. This container is used to storage the paint only. Do not apply to surfaces on which food is prepared. Wash hands and exposed skin before meals and after use. Read all safety, security, health and environment precautions before use.

First Aid :

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