

EPO LATEX AC

Acrylic Emulsion Additive for Cementitious Mortars & Toppings



DESCRIPTION

EPO LATEX AC is a high concentration acrylic polymer emulsion blended with selected auxiliary modifying agents to improve the general properties of the cementitious mixes and as bonding. It is non-yellowing and has excellent resistance to UV degradation, heat and common chemicals. It improves the tensile, flexural, compressive, and water proofing properties.

TYPICAL APPLICATIONS

- Mortar containing **EPO LATEX AC** are used for installing ceramic tiles, mosaic tiles, quarry tiles, natural stone, marble, terrazzo tiles, glass mosaic tiles, thin bricks.
- Used in cement based coatings, patches, leveling compound, stucco, terrazzo, GRC and mortar.
- Mixes containing **EPO LATEX AC** can be used on interior or exterior cementitious surfaces.
- Mixes containing **EPO LATEX AC** are recommended for use over new and old concrete, masonry surfaces, gypsum plaster, concrete blocks, concrete screeds, gypsum board, concrete plaster, and calcium silicate blocks.

ADVANTAGES

- **Excellent Adhesion:** It increases the bond strength of mortars.
- **Chemical Resistance:** increase in the chemical resistance of cement mortars. Excellent resistance to acids, alkali, oils and chemicals.
- **Easy to use:** Mortars with **EPO LATEX AC** are plastic and easily workable.
- **Workability:** Enhance workability and improves crack resistance
- **Safe:** Non-flammable and non-toxic during storage, mixing, application and when cured. Locally manufactured always fresh product.

PRODUCT DATA

Form	Liquid
Colour	White
Packing	20 Kg Plastic Gallon 200 Kg Plastic Drum
Shelf life	12 months dry and cool, without opening package

TECHNICAL SPECIFICATION

Test Name	Average Result
Density @ 25°C	1.02 ± 0.05 Kg/Ltr
pH @ 25°C	7 ± 1
Chloride content (BS 5075)	Nil
Compatibility with cement	Compatible with all types of Portland cement

APPLICATION PROCEDURE

SURFACE PREPARATION

Dry concrete or substrates should be cleaned to remove rust, grease, laitance and contaminations. Then dampen the application area thoroughly using clean water.



MIXING

AS A BONDING SLURRY

Mix 1 part cement to 1 part **EPO LATEX AC** by weight of cement, if needed water can be added to get desired consistency. Mix to a lump-free creamy, consistency for 2-3 minutes by slowly adding **EPO LATEX AC** using a stiff brush. When the bond coat is tacky apply mortar renders and toppings.

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AS A REPAIR MORTAR:

Recommended mix design

Cement	50 Kg
Sieved Sand (Zone II)	150 Kg
EPO LATEX AC	12 ± 2 Kg
Water	Water should be added to get desired consistency.

For heavy duty mortar mix approx. 150Kg of Aggregate 2 - 5 mm can be used along with sand.

Note: At site mix design has to be adjusted accordingly based on requirement.

PLACING

Apply mortar to the substrate using the proper trowel. Scrape mortar into good contact with the substrate. Do not apply more material than can be covered in 10 - 15 minutes.

PRECAUTIONS

CLEANING

All equipment must be cleaned with water immediately after use. Mixes containing this product must not be emptied into drainage systems.

FIRE RESISTANCE:

EPO LATEX AC is not flammable.

HEALTH AND SAFETY

EPO LATEX AC is nontoxic but it is mildly alkaline. Gloves should be worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of the prolonged irritation, seek medical advice.

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Ver 02/20

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