

EPO CURE

Acrylic Polymer, Water Based Concrete Curing Compound



DESCRIPTION

EPO CURE is a water based Acrylic polymer emulsion liquid membrane curing compound, milky white in colour and cures to a clear film, provides a film high water retention enabling curing of the concrete by reducing loss of water from the concrete

USES

EPO CURE is suitable for trafficable surfaces. **EPO CURE** is sprayed onto newly laid concrete surfaces to form a thin barrier against premature water loss. Without disturbance to the normal setting action, the concrete is then allowed to cure and achieve maximum properties.

EPO CURE is particularly useful in large areas of exposed concrete, such as:

- Highways
- Runways and taxiways
- Aprons and hard standings
- Roof decks
- Pre-stressed beams and piers
- Irrigation canals/channels

ADVANTAGES

- Enables cement to hydrate more efficiently
- Easy application reduces labour costs
- Saves time - can apply as soon as possible after placing concrete
- Eliminates need for damp hessian, sand or polyethylene
- Fast forming film dries within 60-120 minutes depending on ambient temperature and site conditions
- Forms a non-staining continuous clear film on clean stain free concrete or render surfaces. Is easily applied and free from discoloration
- Non-flammable and non-toxic under normal usage and is supplied ready for immediate use
- Can be over coated with specific after-trade, e.g. rendering, painting, etc. Please consult **EPO Technical Department**.

PRODUCT DATA

Form	White Liquid
Colour	Transparent when dried
Packing	25 Kg
Coverage	App. 8 - 10 m ² /Kg.
Shelf life	12 months under sealed and controlled conditions

TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
Specific gravity @ 25⁰C	ASTM D 1475	1.00 ± 0.05 Kg/Ltr
pH @ 25⁰C	ASTM E 70	8 ± 1
Capillary Water Absorption	EN 1062-1 EN 1062-3	< 0.080 Kg/m ² h ^{0.5}
Pull off adhesion/Bond strength (7 days)	ASTMD 4541	> 2.0 MPa
Curing Efficiency Index (%)	BS 7542:1992	> 80

STANDARD COMPLIANCE

ASTM C 309 TYPE 1 CLASS B



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APPLICATION PROCEDURE

APPLICATION

Stir contents thoroughly before using. Spray **EPO CURE** as evenly as possible over the freshly laid concrete as soon as possible after final trowelling when the surface water has disappeared (approx. 1 -2 hours depending on the ambient temperature and atmospheric conditions). If spray equipment is not available, apply with a soft brush, broom or wide nap rolled as soon as the concrete surface is hard enough.

Apply to vertical surface immediately after the formwork has been removed. Apply at an even coverage rate of not greater than 10 sq. meter per liter. Ensure the concrete surface is completely free of stains, oils, form coatings, etc., to obtain good adhesion of **EPO CURE** and of any other trades, and to avoid obtaining discoloration or uneven surface effects.

CLEANING

Immediately after use, the spraying equipment should be cleaned out, especially the line and nozzle, with water.

SPRAYING EQUIPMENT

For the application of **EPO CURE** various types of spraying equipment can be used.

STORAGE

All containers must be kept sealed and stored under cover with no exposure to the sun.

LIMITATIONS

- Do not use **EPO CURE** on areas where after painting and rendering are carried out, there would be back water pressure or condensation.
- Do not apply onto stained, oil or contaminated concrete or render surfaces, which can cause change of colour, non-uniformity or inhibit the bond of subsequent surface treatment.
- Do not dilute **EPO CURE** with water or solvent.

PRECAUTIONS

HEALTH AND SAFETY

EPO CURE is regarded as non-hazardous but splashing in the eyes should be avoided. Remove contamination with clean water. In case of prolonged irritation, seek medical advice.

FIRE

EPO CURE is non-flammable and non-toxic under normal usage.

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