

# InsuKure A

A polymer, water-based, concrete curing compound.

## DESCRIPTION OF PRODUCT

InsuKure A is a solvent-free, polymer, water-based emulsion, suitable for spray application to freshly poured concrete.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. Membrane-cured concrete is typically harder and exhibits a dust-free surface with a reduced incidence of drying shrinkage cracks.

## PRIMARY USES

As a more effective and economical alternative to Hessian, water and polythene curing regimes. Suitable for use on all concrete surfaces.

## ADVANTAGES

- Eliminates the need for water.
- Single application.
- Reduces drying shrinkage.
- High curing efficiency.
- Reduced labour costs ..
- Water-based.

## PACKAGING

InsuKure A is available in 20 ltr and 200 ltr containers.

## TYPICAL PROPERTIES

Appearance:	White liquid
Specific gravity:	Approx. 1.005 at 25°C
Flashpoint:	Not applicable
Finished film appearance:	Clear opaque film
Drying time	2 hours 15 minutes
ASTM C309:	at 25°C / dosage of 0.2kg/m <sup>2</sup>
Unit moisture loss (after 7days)	0.024 g/cm <sup>2</sup>
Sprayability	Sprayable
Dry to Touch	02:20 hr
Strength% from control (after 7days)	96.8 g/cm <sup>2</sup>

## STANDARDS

InsuKure A meets the requirements of ASTM C309 Type 1 Class B

## COVERAGE

The recommended rate of application is 0.2ltr/m<sup>2</sup>. This corresponds to that at which InsuKure A has been tested, and at which it attains the claimed degree of curing efficiency. In favorable conditions, such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates.

## SUBSEQUENT SURFACE FINISHES

Cement renders can be applied directly over InsuKure A cured surfaces providing it is ensured there is no surface laitance, dirt, oil or grease on the surface. Surfaces must be well cleaned if they are left for long periods unprotected.

InsuLatex bonding slurries must be utilized to bond subsequent finishes. Please refer to Insumat's Technical Services Department for approved mix designs. If renders of greater thickness than 1cm are to be applied, bond tests should be carried out to determine the proposed bonding method and surface preparation that is required. For floor areas appropriate surface preparation is required dependant on the type of floor finish being applied.

Please refer to Insumat's technical department for appropriate recommendation.

## SPECIFICATION CLAUSE InsuKure A

Where indicated, concrete shall be cured by application of InsuKure A, polymer-based emulsion manufactured by Insumat Egypt or similar approved; to the following specification.

## SPECIFICATION TYPE

ASTM C309: Type 1 Class B InsuKure A is to be applied strictly in accordance with the manufacturer's instructions.

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## STORAGE

Shelf life is up to 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

## HEALTH AND SAFETY

As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Re-seal containers after use. Use in well-ventilated areas and avoid inhalation.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact Insumat's representative.

Insumat reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY STATEMENT

All products manufactured by Insumat Egypt, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, standard.

\* Properties listed are based on laboratory controlled tests.

Actual measured data may vary due to circumstances beyond Insumat's control.

Manufacturing Insulating Materials and Products Company

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