

# Primertech

High solids, protective coating based on emulsified bitumen.

## DESCRIPTION OF PRODUCT

Primertech is a non-fibrated, water-based bitumen emulsion. It is dark brown in colour and dries to a black flexible protective coating. The finished film is tough and waterproof and forms a barrier to water and vapour transmission.

## TYPICAL APPLICATIONS

- Water-proof coating for concrete, ground bathroom and basement against vapour and water.
- Water-proof coating for foundation, below-grade walls against pressure of underground water and aggressive salts.
- Anti-rust for machines and car elements.
- To produce bitumen mortar water-proofing to use in insulating materials for structures against high pressure underground water.
- Additive for screeds and plastering cement mortar to increase its impermeability specially used in ground surface and plating.
- Adhesive for plastic sheeting, styro, foam, cork or concrete.

## ADVANTAGES

- Chemical resistance.
- Versatile - has many applications.
- Economical.
- Easy to apply.
- Cold applied.

## PACKAGING

Primertech is available in 10 kg, 15 kg tins, 180 kg and 200 kg drums.

## COMPOSITION

A blend of selected asphalts and bitumen emulsified in water.

## APPLICATION PROCEDURE SURFACE PREPARATION

Ensure surface to be treated is sound and free of all oil, grease or conventional curing compounds.

Primertech can be applied directly to concrete surfaces cured, utilising non-degradable curing compounds, such as InsuKure A.

If the surface is dusty, it should be primed with a coat of Primertech diluted with an equal quantity of clean water and allowed to dry, before applying

further coats of Primertech. Primertech can be applied to damp surfaces, although both coating and surface must be allowed to dry before the Primertech will cure to form a waterproof film.

## BELOW GROUND PROTECTION

Primertech may be applied to green concrete immediately after shuttering has been removed. Blind the first coat with clean sharp sand to afford higher dry film thickness and aid monitoring layer applications.

## FOR MORTAR MIX

To produce water-proofing low-shrink tough mortar use the following mix:  
5 kg cement+12 Liter PRIMERTECH + 70 kg sand and add as much water to obtain the required workable consistency.

## TYPICAL PROPERTIES

PROPERTIES	RESULTS	TEST METHOD
Density at 25°C	1.00±0.02	ASTM D-70
PH	9-11	DIN 18195 Part2
Solid content%	55(±10%)	ASTM D 2932-03
Water content%	45(±10%)	ASTM D-95
Ash content%	25(±10%)	ASTM D 2932-03
Water resistance (24hour)	No leakage	ASTM D 2932-03
Initial drying time	2-4 hour	—
Final drying time	22-24 hour	—
Adhesive force	Pass	—

## STANDARDS

ASTM D 2939 guide to use of water proofing in relatively thick as protective coatings for metals and build up roofs.

Emulsified asphalt prepared with chemical emulsifying agent and the coating fillers ASTM D 1227 Type3 Class1.

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## PERFORMANCE

Concrete coated with Primertech will prevent the absorption of saline solutions. On uncoated surfaces, salts in groundwater will penetrate and can cause reinforcement corrosion and concrete deterioration.

## APPLICATION AGITATE BEFORE USE. AS SETTLEMENT CAN OCCUR THE DRUM SHOULD BE ROLLED BEFORE DECANTING MATERIAL.

Apply, by brush, broom or squeegee, one or two coats, depending on the degree of protection required. Apply subsequent coats at right angles to the first, allowing 2 to 4 hours between coats. Where being utilised to damp proof solid floors, or where a screed is to be applied over Primertech, apply a second coat at right angles and lightly grit to form a key. Allow at least 24 hours before application of concrete screed, ensuring this is not less than 50mm in thickness.

## COVERAGE

1 - 3 m<sup>2</sup>/kg/coat depending on substrate porosity.

## EQUIPMENT CARE

After use, if the Primertech has not dried, it may be possible to clean tools using soapy water. If the Primertech has dried, remove as much as possible by physically scraping and then remove remainder with paraffin, white spirit or solvent.

## STORAGE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates, the product must be stored in an air-conditioned environment.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Insumat's Technical Services Department.

## SHELF LIFE

Up to 12 months if stored according to manufacturer's instructions in unopened containers.

## 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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