

## DESCRIPTION

- NIVELEX is a 100% acrylic polymer-based compound, with fibre reinforcement.

## USE

- NIVELEX is used to embed reinforcement mesh over extruded polystyrene (XPS) insulation boards. It is also used to level concrete and masonry surfaces in preparation to receive an ADEX finish coat. NIVELEX may be applied in thicknesses ranging from 2.4 mm (3/32 in.) up to 102 mm (4 in.) for vertical surfaces and 50mm (2 in.) for overhead surfaces.

Multiple lifts may be required for thicker applications. Drying and curing times will increase as application thickness increases.

## PACKAGING

- 20 kg (44 lbs) plastic pail.

## COVERAGE

- Approximately 3.9 m<sup>2</sup> (42 ft<sup>2</sup>) per pail at a thickness of 6.4 mm (1/4"). Coverage varies upon project conditions.

## SURFACE PREPARATION

- NIVELEX must be installed on an approved substrate or on a surface that has been specifically designed for its use.
- Surfaces must be clean, dry, and in good condition, without efflorescence, grease, oil or paint.

## MIXING

- In a clean container, mix NIVELEX with fresh, lump-free GU Type Portland cement, at a ratio of 2:1 by weight (20kg of NIVELEX and 10kg of GU Type Portland cement).
- Thoroughly mix to a homogenous state. Allow mixture to set up for 5 minutes and mix again to break the initial set.
- Small amounts of water may be added to the mixture to adjust the consistency and workability. All other additives (antifreeze, accelerators, or otherwise) are strictly forbidden and may void warranties.

## APPLICATION

### As base coat over XPS:

- Prior to application of ADEX NIVELEX, ensure all PVC trim accessories are installed and that ADEX Ultra mesh is securely fastened over the surface of the extruded polystyrene (XPS) insulation boards.
- Apply ADEX NIVELEX over the entire insulation board/Ultra mesh surface to a uniform thickness of 3.2 mm (1/8").
- Smooth and level the surface of the NIVELEX base coat until the mesh is fully embedded.
- After the first coat has dried, apply a second coat of NIVELEX mixture creating a total thickness of 6.4 mm (1/4").
- Additional coats of the NIVELEX base coat may be required if, after drying, there are imperfections or the mesh is not completely embedded.

### As a levelling coat:

- When levelling, apply a 3.2 mm to 6.4 mm (1/8" to 1/4") coat of ADEX NIVELEX to the prepared surface. Ensure the material is thoroughly compacted into all low areas and depressions to provide full substrate contact and prevent void formation. Reapply levelling coats as required once the initial application is dry.

### Adhesion

EIMA 101.03 (Requirement ≥ 100 Kpa)

Pass.

### Water Vapour Permeability

ASTM E96-95 (Requirement ≥ 170 ng/ Pa·s·m<sup>2</sup>)

Pass.

### Water Impermeability

UEAtc Directives for EIFS, Article 3.3.1.1:

Pass.

- Properties
- Test Method
- Result

## CLEAN UP

- Immediately wash tools with water while material is still wet. Hardened material will have to be removed physically.

## CURING

- Approximately 24 hours under normal climatic conditions for applications up to 6.4mm (1/4").
- Prolonged curing is needed for thicker applications.
- Curing time is dependent upon the ambient and surface temperatures and the relative humidity and all other environmental conditions.
- Protect from rain and freezing temperatures until fully dry.

## STORAGE

- Protect material from direct sunlight, extreme heat and freezing temperatures.
- Store unused material in tightly sealed containers.

## LIMITATIONS

- Ambient and surface temperatures must be kept at or above 5 °C (41 °F) for a minimum of 24 hours.
- During installation, minimise the containers' exposure to extreme heat (temperatures above 32 °C (90 °F)).

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