

F lexible cement based of 2 components
P olymer modified waterproofing coating

PENECRETE E11



PENECRETE E11 is two parts polymer modified flexible cementitious waterproofing system with good flexibility and adhesion to concrete and masonry substrate.

Application range

Interior and Exterior use :

- ◆ Potable water tanks, reservoirs
- ◆ Bathrooms and toilets, showers etc. before installing ceramic tile coverings
- ◆ Kitchens
- ◆ Terraces and balconies
- ◆ Underground Walls
- ◆ Small flat roofs
- ◆ Waterproofing protective coverings for retaining walls.

Flexible cement based of 2 components
Polymer modified waterproofing coating

Description

PENECRETE E11 is a flexible cement based of 2 components polymer modified waterproofing coating. It is suitable applied to concrete and mortar to prevent water infiltration as to fill and seal pores and voids, crack and hair line of all substrates and yet provides a breathable coating which allows water vapor transmission. And as a protective layer against aggressive gas such as carbon dioxide and also frost and thaw ling salts.

Uses

PENECRETE E11 is consists of Portland cement, selected and well graded sand and plasticizer, formulated with specially selected and graded fine quartz and high quality latex to create a brush able, smooth slurry with excellent bond and adhesion to most substrates.



Technical Data

Property	Typical results	Test method
Mix Component	Mix ratio 1 : 3.5 (A : B)	
Colors	Grey or White	
Density	A + B (Mixed) 22.5 KGS.	
Recoat life	4 -24 hours	
Water vapor transmission	1.02g/h.m ²	ASTM E96
Compressive strength	35N/mm ²	ASTM C 109-92
Toxicity	Non toxic	BS EN 12390
Adhesive strength	2N/mm ² (MPa)	ASTM D4541
Tensile strength	3.2N/mm ²	ASTM D412
Flexural strength	10N/mm ²	BS 4551
Crack Bridging	1mm.	ASTM C836

Flexible cement based of 2 components
Polymer modified waterproofing coating

PENECRETE E11

Work Instructions

Substrate preparation

- The substrate must be clean, dirt, oil, paint, coatings, laitance, loose matter etc. All loose parts must be raked out.
- Render honeycomb and bobbies. Fill cracks and hollow joints.
- Where repairs are required Penecrete Mortar should be used.
- Make a chamfer at floor/wall ceiling re-entrant angles.
- The substrate must be damp, but not running with water, during application.

Mixing

- Machine-mix (low speed i.e. 300-500 rpm)
- Pour the resin (part A) into a suitable container.
- Add the powder (part B) gradually in order to obtain a plastic consistency.
- In the meantime, use a stirrer to stir the mixture until the mixture is free from lumps. Take note of the consistency of the slurry.
- The consistency of the slurry can be altered by reducing or adding in powder component.

Application

- Dampen surface with clean water just prior to product application.
- Apply the first coat with medium brush or trowel allowing a rough but reasonable quantity of 1 kg/m².
- Allow a drying time of 4 to 24 hours. Do not re-dampen between coats Wipe off any condensation water.
- Apply the second crosswise at the rate of 1 kg/m².





PACKAGING

PENECRETE E11 is packed in
22.5 KGS./ SET

Component A :
Polymer Liquid = 5 KGS.

Component B :
Powder = 17.5 KGS.

COVERAGE

Approximate frost
protection : 1 KG/m²
per coat.

Waterproofing up to 1m
head pressure : 1 KG/m²
per coat.
(2 coats are required)

HEALTH & SAFETY PRECAUTIONS

- ◆ Non Flammable
- ◆ Wear mask when mixing
- ◆ Wear
- ◆ Avoid contact with skin and eyes. Any splashes to the or eyes should be washed off with clean water

STORAGES AND SHELF LIFE

12 month storage in sealed container. Store all material away from heat and dry.

DISTRIBUTOR :



ULTIMATION TECHNOLOGY CO.,LTD.
56/147 Moo 1, Sukhumvit Road,
Bangmuangmai, Muangsamutprakarn,
Samutprakarn, 10270, Thailand
Phone 662 757 9259
Fax 662 757 7232
www.ultech.co.th