

DESCRIPTION

Elastic Smart is a two-component cement- Acrylic base, cementitious waterproofing and protective highest mortar for concrete. It is slightly flexible to tolerate fine cracks and suitable in both interior and exterior applications

ADVANTAGES

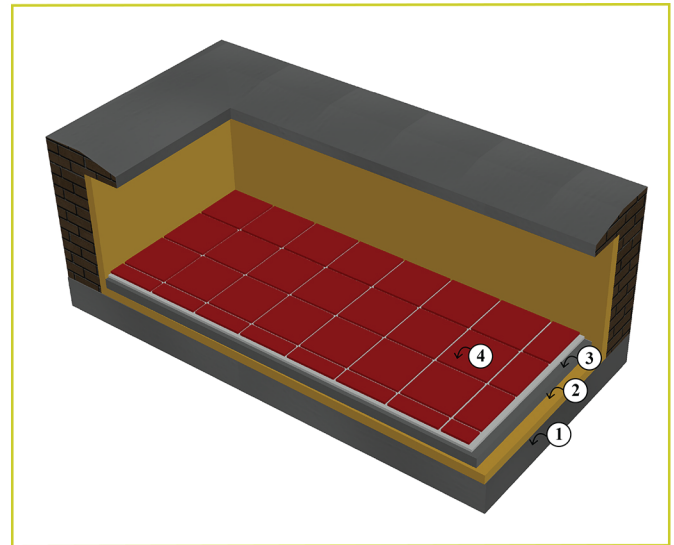
- Able to bridge cracks up to 2mm wide.
- Can be applied on damp substrates.
- No application of primer is needed on the receiving substrate.
- Premixed to ensure high consistent quality.
- Non-toxic and odourless, highly suitable for confined areas
- Elastic Smart is able to withstand foot traffic when cured.

COMPLIED STANDARD

- ASTM D412
- BS EN 14891

RECOMMEND TO USE

- Waterproofing for roof and protection of concrete structures, renders and cementitious screeds.
 - Resistant to UV rays and Excellent elongation at failure
 - Waterproofing of concrete basins used for containing water.
 - Waterproofing bathrooms, showers, balconies, terraces, swimming pools, etc. before laying ceramic tile finishes.
 - Waterproofing of plasterboard, render or cementitious surfaces, lightweight cement blocks and marine-grade plywood.
 - Flexible smoothing layer for light-sectioned concrete structures, including those subjected to minor deformation when under load (e.g. pre-cast panels).
 - Protection of renders or concrete with cracks caused by shrinkage, against the infiltration of water and aggressive atmospheric elements.
 - Protection, against the penetration of carbon dioxide, of concrete pillars beams, and structures with an insufficient layer of concrete covering on the reinforcement rods.
- Compatible with ceramic, mosaic and natural stone covering



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|----------------------|------------------|
| 1. Concrete Slab | 2. Elastic Smart |
| 3. Protection mortar | 4. Tiles |

EXECUTION METHOD

Surface Preparation

Ensure all surface where Elastic Smart is to be applied must be free from oil, grease, wax and loose materials. For area where water absorbent is expected to be high, damp surface before applying Elastic Smart

Mixing

Pour Part B (liquid component) into a clean container. Add Part A (powder component) slowly that allows mixing with a low-speed mechanical (350-450 rpm) until Elastic Smart is a homogeneous paste and is free of lumps.

Application

Elastic Smart can be applied with a stiff brush, a roller and can be trowelled on. For trowel application, the substrate should be leveled and free of any undulation (e.g. Potholes). During application ensure that air is not entrapped within the membrane. After application of the first coat of Elastic Smart allow it to cure for about an hour and ensure that the first coat has initial set before applying the second coat. Thickness of each coat can be between 1mm – 2mm.

CONSUMPTION

A 35 kg set yields approximately 14 m²-18 m².

PACKING

(1)Unit 35 kg including:

Part A : 25 kg per bag.

Part B : 10 kg of Liquid Polymers.

EXPITY DATE

Elastic Smart 1 has a self life of 12 months in tightly closed original packing

Curing

- Natural air curing is sufficient
- Paint, tiling, mortar or render should be applied after 2 days curing
- Water ponding test can be carried out after 2- 4 days curing

Cleaning

Elastic Smart can be removed from tools and equipment with clean water. When Elastic Smart is cured, it can only be removed mechanically.

Handling

Elastic Smart should be stored in a dry place under shade, free from moisture contact. Elastic is non-hazardous. During windy conditions, wear a filter mask to avoid inhaling powder component from part A. Remove splashes from skin with water. in case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

SPECIFICATIONS	
Consistency for application	Co-polymer modified cement slurry paste
Appearance	Grey
Mixed Density	1300 kg/m ³
Pot Life	at 25-30°C 1 to 4 hours depending on temperature and wind conditions
Tensile Strength	>1.5 N/mm ² (ASTM D412)
Elongation at Break	> 100% (ASTM D412)
Adhesion to Substrate	> 0.5 N/mm ²
Crack Bridging	Up to 2mm (ASTM C836)
Hardness	(Shore A) 55
Chemical Resistance	0.5% (v/v) NaCl 1.25% (v/v) NH ₄ OH 3.7% (v/v) HCL PH: 4-10

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