

### DESCRIPTION

Elastic WP is a two-component, polymer-modified, 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

Never apply > 2mm total thickness which will cause delamination

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 WP is able to withstand foot traffic when cured.

Premixed to ensure high consistent quality.

### COMPLIED STANDARD

- ASTM D412
- BS EN 14891

### UTILITY

Waterproofing and protection of concrete structures, renders and cementitious screeds.

Waterproofing of concrete basins used for containing water.

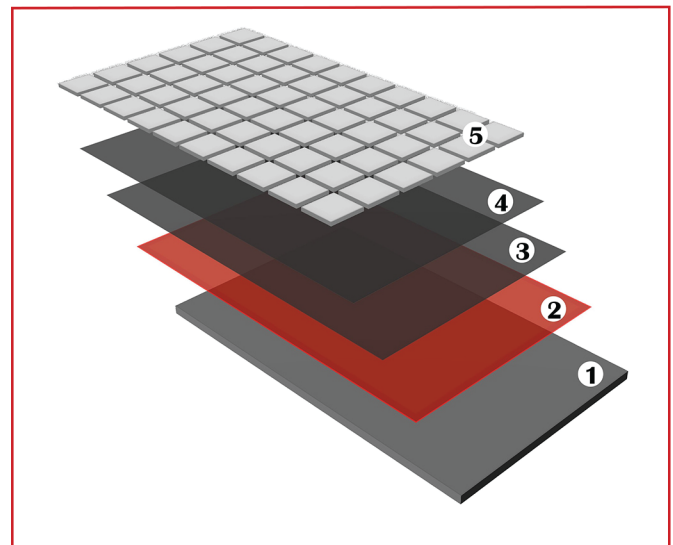
Waterproofing bathrooms, showers, balconies, terraces, swimming pools, etc. before laying ceramic tile finishes.

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.



- |                  |                      |
|------------------|----------------------|
| 1. Concrete Slab | <b>2. Elastic WP</b> |
| 3. DrymasScreed  | 4. Ceramicbond C1    |
| 5. Tiles         |                      |

### EXCUTION METHOD

#### Surface Preparation

Ensure all surface where Elastic WP 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 Ecolastic.

#### 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 WP is a homogeneous paste and is free of lumps.

#### Application

Elastic WP 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, 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 33kg set yields approximately 11 m<sup>2</sup>-16 m<sup>2</sup>.

## PACKING

### (1) Unit 33kg including:

Part A : 25 kg per bag.

Part B : 8 kg of Liquid Polymers.

### (2) For drum 21kg including

Part A : 16 kg per bag.

Part B : 5 kg of Liquid Polymers.

## EXPIRY DATE

Elastic WP 1 has a shelf 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 WP can be removed from tools and equipment with clean water. When Elastic WP is cured, it can only be removed mechanically.

## Handling

Elastic WP 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 <sup>3</sup>
Condition of executing	at 25-30°C 1 to 4 hours depending on temperature and wind conditions
Tensile Strength	>1.5 N/mm <sup>2</sup> (ASTM D412)
Elongation at Break	> 30% (ASTM D412)
Adhesion to Substrate	> 0.5 N/mm <sup>2</sup>
Crack Bridging	Up to 2mm (ASTM C836)
Hardness	(Shore A) 55
Chemical Resistance	0.5% (v/v) NaCl 1.25% (v/v) NH <sub>4</sub> OH 3.7% (v/v) HCL PH: 4-10

## DRYMAS VIETNAM CO., LTD

Head Office 1<sup>st</sup> Floor, X2 Building, Lane 34, Nghia Do Street, Tay Ho District, Hanoi  
Website: [www.drymas.vn](http://www.drymas.vn) Email: [info@drymas.vn](mailto:info@drymas.vn)  
Hotline: (024). 73013789

Factory Pham Van Dong Street, Cao Minh Village, Phuc Yen City, Vinh Phuc Province

