

PENTENS EASYCOAT WP1+

1 Component Water-Based Flexible Cementitious Waterproofing

Product Data Sheet

Description

PENTENS EasyCoat WP1+ is a one component water-based flexible cementitious waterproofing system and easy to apply. As the intermediate coating of waterproof material. Have leveling effect for the work surface is not flat such as crack, gap. Increase the thickness of the waterproofing layer, strengthen the work surface.

Uses

- Bathrooms, toilets and kitchens
- Roofs and balconies
- Water tanks
- Suspended floors
- RC gutters
- Floor slabs
- Basements and fountains
- Retaining walls
- Swimming pools and fountains
- Crack sealer
- Protective coating

Advantages

- Easy to apply, can be directly coated on the damp surface.
- High flexibility
- High water resistance
- Low water absorption
- Non-toxic
- Excellent adhesion to brick work, concrete/ masonry, other cement bound surface.
- Permeable to water vapor
- Ultimate weather resistance

Technical Data

Tensile Strength (kgf/cm ²) (ASTM D412 (Die C))	>13
Elongation (%) (ASTM D412 (Die C))	>150
Tear Strength (kgf/cm) (ASTM D624)	>10 kgf/cm
Hardness (Shore A) (ASTM D2240)	> 4
100% Modulus of Elasticity (kgf/cm ²) (ASTM D412 (Die C))	13
Shear Strength (kgf/cm ²) (ASTM D1002)	7.2
Water absorption (%) (ASTM C413)	< 0.50
Puncture (kgf)	9
Shelf life	12 months when unopened
Storage condition	Store in a dry cool place
Colour	Cement Grey
Application temperature range (0°C)	5 to 45
Service temperature range (0°C)	5 to 50
Packaging	11.5kg/pail 22.5kg/pail

Important Note

The material must be stored indoor to avoid being exposed to direct sunlight, wind, or rain; and the material shall be kept away from fire or smoke.

Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

Instruction for Use

Surface Preparation

All the surfaces, joint between slab and wall must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly. Any crack and water leakage should be pre-treated and reinforced before the waterproofing.

Mixing

Generally is not required but for smoother application, not more than 1kg of clean water can be added into 22.5kg of **PENTENS EASYCOAT WP1+**.

Coverage

1kg/m² / per coat
Beneath tiles and screeds 2 coats
Exposed to very light traffic 3 coats

Application

Dilute 1 portion of **PENTENS T-007** permeable primer with 3 portions of clean water and then plaster directly to the surface to be waterproofed, in order to improved the bonding.

PENTENS EASYCOAT WP1+ is suggested to apply at least 2 coats. The first coat should be applied in one direction only. If possible the second coat should be applied at right angles to the first.

Apply or plaster first and finish coat of **PENTENS EASYCOAT WP1+** to construction surface by using brush, roller or spray method. The time interval between plastering shall be 6 ~ 8 hours, and make sure that the first layer of plastering has been dried and formed as membrane.

For more details, please refer to our Technical Department.

Curing

For optimum performance, **PENTENS EASYCOAT WP1+** should be allowed to cure for 8 hours before the finishing concrete, tiles etc and during this time precautions must be taken in order to prevent damaging to the coating.

Cleaning

Tools and equipment just can be clean with clean water immediately, after use. Hardener material can only be mechanically removed.

Safety

As cement is alkaline and may cause irritation, applicators are recommended to wear gloves and goggles when using **PENTENS EASYCOAT WP1+**. In case contact with eyes, flush immediately with clean water and seek medical assistance if symptoms persist.