

PRODUCT DESCRIPTION

Two Component Polymer Modified Waterproofing Coating (PWC™) is a modified polymer based cementitious waterproof coating system, which on mixing and hardening provides excellent water resistant barrier. It offers excellent resistance to both positive and negative pressures.

PWC™ is designed for waterproofing and damp-proofing of non-salted mineral substrates. It can be used for exterior as well as interior waterproofing on deformable and non-deformable substrates. It can be applied on terraces, balconies, in wet rooms, underground constructions, sewage treatment plants, cesspits etc. It can also be used for interior sealing of swimming pools and water tanks.

PRODUCT FEATURES

- Pre-batched components
- Mixed and applied easily & it can be spray applied
- Slurry or trowelable consistency
- Elastomeric – elastomeric flexible coating that accommodate cracks up to 2 mm with an elasticity of 40-50%
- Low water permeability – Excellent resistance to ingress of water
- Adhesion – excellent adhesion to concrete and masonry surfaces
- Eco-friendly – Non-toxic with low VOC content
- No additional water is required to make the slurry
- Protects concrete against water penetration, chloride and carbonation
- Non Corrosive to steel and iron
- Approved for potable water contact
- Flexible enough to bridge hairline crack

PRODUCT USES

- Sewage treatment facilities including concrete tanks, digestors, clarifiers
- Water treatment facilities
- Waterproofing basement and cellars
- Terraces and balconies
- Bridges & Sea walls
- Retaining walls & for sealing “hairline” cracks in concrete structures not subject
- To movement surfaces
- Swimming pools and waterproofing of drinking water tanks and reservoirs

HOW TO USE

SURFACE PREPARATION

Concrete surfaces should be clean, sound, and exhibit an open pore structure.

Dirt, existing layers of low resistance and all previous paint coverings, cement and cement-lime plasters, and substances that impede adhesion must be carefully removed. Damp the surface before coating and remove any excess water to avoid ponding on horizontal areas. This is particularly important if the substrate exhibits a high degree of water absorption. Rapid loss of moisture from the waterproof coating may result in pinholes, poor adhesion and overall weakened properties.



Two Component Polymer Modified Waterproofing Coating- PWC™

TECHNICAL DATA

Colour	Grey
Weight	2 gr/cm ²
Bond strength	>1.2 MPa
Compressive Strength	>24 MPa
Flexural strength	>8 MPa
Penetration strength	>1.5 MPa
Shelf life	1 year

MIXING

Mix in a clean container by slowly adding Part A (powder) to Part B (liquid) and stirring with a low speed mixer (500 rpm) for 3 - 5 minutes, until a smooth consistent mixture and a slurry consistency is achieved.

APPLICATION

While the surface is still damp (no standing water) apply the first coat of PWC™ and leave to harden (2-6 hours). For slurry consistency, apply with a hard-plastic bristled brush or broom. For trowelable mortars, use a notched trowel. After the second coat has been applied, finish by rubbing down with a soft dry sponge. Apply the second coat in a crosswise direction to the first application as soon as first coat has hardened. The second coat applied must be sufficiently thick to withstand the anticipated water pressure. Avoid application in direct sunlight and strong winds

STORAGE

PWC™ should be stored dry in their original package until just prior to their use, the best conditions being at a temperature of between 15 and 35. Bags should be kept off the ground and protected from moisture.

FIRST AID

PWC™ may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Avoid breathing vapors and dust. Get medical attention if you are breathing with difficulty. Resins products can cause strong eye irritation. Avoiding eye contact and Using safety goggles is necessary. In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.