



WP7-501 Wall + Basement Waterproof

POLYMER CEMENT COATING

- ✓ 100% waterproof.
- ✓ Simple application.
- ✓ Waterproof and salt-resistant from 2 mm.
- ✓ Even on damp walls.

Technical Info

- Base: polymers, cement.
- Colour: white.
- Density (mixed): 1.1.
- Rest time: 2 minutes.
- Working time:
 - 10°C: 120 minutes
 - 15°C: 75 minutes
 - 20°C: 45 minutes
 - 25°C: 30 minutes
- Optimal coat thickness: 2 mm.
- Maximum coat thickness: 5 mm.
- Application temperature: 5°C to 35°C.
- Curing time (depending on temperature and relative humidity):
 - Mechanical strength: 7 days
 - Resistance to water pressure: 3 days
 - Can be overcoated: 14 days
- Tensile strength: 1.6 MPa.
- Elongation at break: 30%.
- Capillary water absorption: 0.02 kg/m²h.
- Water pressure resistance (2 mm thickness):
 - Negative: >1 bar
 - Positive: >5 bar
- Water vapour permeability: Sd 1.3 m.

Product

Characteristics

- Hard, elastic, waterproof coating for water tanks and damp basement walls and floors.
- WP7-501 makes a suitable finishing coat, but can also be tiled over, plastered or painted.
- Easy to use: mix with water and apply with a brush in two coats.
- Crack-bridging, salt-resistant and suitable for permanent immersion.

Applications

- Waterproof protective coating for basement walls and floors.
- Treatment of damp patches on basement walls and floors, plaster loosened by moisture, salt efflorescence, mould on walls and ceilings, musty odours and crumbling, damp walls.
- Waterproof underlay for patios and other concrete structures.
- Waterproofing for wells, reservoirs and ponds.

- Shelf life: 12 months (stored in a cool, dry place in original packaging).

Packing

WP7-501 Wall + Basement Waterproof - set
(10kg + 1L)

602090000

Use

Prerequisites for application:

- There must be no active water ingress during application and/or curing. Any penetrating water must be stopped before application.
- It is recommended that application take place during periods of low groundwater levels whenever possible.
- WP7-501 must be applied to a dry or slightly damp wall. There should be no visible droplets on the surface.
- The room must be well ventilated to allow the product to fully cure. The relative humidity must be between 50% and 80% during the drying process. Bringing the product to room temperature will accelerate curing.
- Freshly poured concrete must cure for at least 28 days before it can be treated with WP7-501.

Consumption:

- WP7-501 must ALWAYS be applied in 2 coats, each approximately 1 mm thick.
- 1 kg powder = 1.2 m² wall surface per coat
- 1 package = 10 kg powder = 5-6 m² wall surface (2 coats), depending on the evenness of the surface.

Preparation:

- Remove as much old paint and plaster as possible, ensuring that WP7-501 can be applied to achieve maximum coverage of the original porous substrate (brick, concrete, etc.).
- Remove dust and loose particles.

Primer:

- Dilute the primer 1:1 with clean water (1 litre of water per 1 litre of concentrate). Apply the mixture to the substrate using the supplied spray nozzle. Saturate the porous areas of the substrate to maximise salt resistance and adhesion.
- The next coat must be applied wet-on-wet. If the primer dries out, moisten it with clean water.

Mixing the coating:

- Measure the required amount of polymer cement for the first coat.
- Mixing ratio: 400 ml of clean water per kg or 4 litres per 10 kg bag.
- Mix with a slow-rotating mixer (500 revolutions per minute) until a thick, lump-free consistency is obtained. Allow to stand for 2 minutes and stir again. Begin application immediately.
- The mixture has a working time of 35 to 45 minutes, depending on the ambient temperature. If the mixture sets in the container, never add water.

Application:

- Apply the first coat with a wide, stiff brush onto the primer while it is still wet. The coat thickness must be approximately 1 mm.
- Leave the first coat to dry. The coat must be hard to the touch before the second coat can be applied. This takes 3-6 hours, depending on the temperature and humidity. Good ventilation and heating where necessary will accelerate curing.
- Moisten the first coat with water. Apply the second coat at right angles to the brush direction of the first coat.

Final steps:

- Clean tools and any spilt product immediately with clean water. Once cured, the coating can only be removed mechanically.

- Full curing takes 14 days, depending on temperature and humidity. Ensure adequate ventilation to keep humidity below 80%. Use a construction dryer or dehumidifier and ensure that the relative humidity does not drop below 50%. Bringing the product to room temperature will accelerate curing.
- After curing, WP7-501 can either be left unfinished or finished by painting, plastering or tiling.

