



WP7-501 Wall + Basement Waterproof

Waterproofing

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. Before finishing, check the technical data sheet of the selected plaster, tile adhesive or paint to confirm it is suitable for a non-absorbent substrate, and carry out the surface preparation specified by that manufacturer.

