

CEMPROTEC WATERPROOF COATING

PRODUCT DESCRIPTION

CEMPROTEC WATERPROOF COATING is a two component polymer modified cementitious slurry coating for waterproofing concrete and masonry, particularly from water ingress in basements, cellars and other below ground structures. It is also used for temporary waterproofing in new construction to protect from water ingress prior to weatherproofing of the structure.

ADVANTAGES

- Materials are pre-packaged and only require mixing on site to give a slurry, which can be easily applied by brush, squeegee or spray.
- Economic formulation produces 14.5 litres of slurry from a 27.5kg bag, which is sufficient to treat 7.25m² at 2mm thickness.
- Totally waterproof and will also resist negative water pressure.
- Also gives enhanced resistance to carbonation.
- Polymer modified to give excellent adhesion, flexibility and abrasion resistance.
- Will readily accept flooring and other decorative finishes.
- Environmentally friendly, water based product which is non-toxic when cured and will not leach harmful chemicals.

PHYSICAL CHARACTERISTICS (TYPICAL)

Density:	1900kg/m ³ .
Application Thickness:	
Soffits and Vertical:	2mm applied in two coats
Floors:	Single 2mm coat.
Temporary Waterproofing:	1mm
Compressive Strength:	
1 day	5-10N/mm ² .
7 days	30-35N/mm ² .
28 days	50-55N/mm ² .
Waterproofing:	Resists 10 bar pressure.
Working Life:	30 minutes at 20°C.
Overcoat Time:	30 minutes – 24 hours.

APPLICATION DATA PREPARATION

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. All loose material and surface laitance should be removed preferably using wet grit or power washing techniques or equivalent approved methods. The strength of the concrete sub-base should be a minimum of 20N/mm². The prepared substrate should be thoroughly soaked with clean water until uniformly saturated without standing water.

MIXING

The material should be mechanically mixed in a clean drum using a slow speed drill and paddle. A normal concrete mixer is **NOT** suitable. Supplied in measured packs, full units should be mixed wherever possible but for smaller areas of application, part packs can be mixed using an initial ratio of approximately 3.5 volumes of powder to 1 volume of liquid, which should then be adjusted to give the desired consistency. Always add powder to liquid. Mix for a minimum of 3 minutes and use without delay.

PLACING

The mixed slurry can be applied by brush, squeegee or spray to a pre-soaked surface. Deck or floor areas should additionally be primed with **CEMPROTEC EF PRIMER**. Take care to ensure that air is not entrapped into the surface. Apply as a single 1 or 2mm layer to horizontal surfaces and in two 1mm coats to other surfaces. The second coat should be applied when the first is stable but not fully set after waiting approximately 30-60 minutes (depending on temperature).

CLEANING

All tools should be cleaned with water immediately after use.

CURING

Normal concreting procedures should be strictly adhered to. It is important that the surface of the coating is protected from strong sunlight and drying winds with polythene sheeting, damp hessian or similar.

PACKAGING AND YIELD

Pack Size:	27.5kg.
Yield:	One 27.5kg pack yields 14.5 litres of slurry, which is sufficient to treat 7.25m ² at 2mm thickness.

SAFETY DATA

Safety Data Sheet available on request.

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