



CEMGUARD

Cementitious Flexible Liquid Applied Waterproof Coating

EUROBUILD
CONSTRUCTION CHEMICALS & COATINGS

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CEMGUARD PC 400

Advanced Waterproofing Systems



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Applications

Recommended for Swimming pool floor& wall, Bathrooms and permanent wet areas

System Components

EuroBond SBR 201

As a reinforcement of the waterproofing additive for concrete/plaster

FlexJoint Tape

As a reinforcement of the waterproofing in corners, sanitary and drain systems

EuroTile WR 602

EuroTile WR is recommended as tile adhesive for floor and wall tiles

EuroGrout LM 801

EuroGrout LM is recommended as tile joint grouts for floor and wall tiles

EuroBond EP 205

Epoxy Base Flexible Bond Kit for Pipes & Fittings

EuroSealer SS 500

EuroSealer SS is recommended as a water repellent sealer for floor and wall

CEMGUARD PC 400

Cementitious Flexible Liquid Applied Waterproof Coating

CemGuard PC 400 is a two component (acrylic/cementitious) flexible waterproof protective coating for marble/stone, concrete and masonry substrate. CemGuard PC is an elastomeric ready to use two part system, which waterproofs/weatherproofs and protects concrete and similar structures. Specially formulated for wide range applications:- swimming pools, retaining walls, Pile Heads, submerged tunnels, stones/marbles, bridge deck, bathrooms, permanent wet areas and wide variety of extreme service class structures.

Uses

CemGuard PC 400 can be applied to new or old concrete structures that are structurally sound:

- Swimming pools Internal Waterproof coating
- Marble/Stone base waterproof / vapour barrier coating
- Concrete roof slabs, wet areas, floor slabs of balcony.
- Pile Head waterproofing
- Bathrooms, Toilets and Water tanks
- Bridge deck, canals and treatment plants
- Structural surfaces of dykes, and dam walls
- Waterproof coating (bottom coat) for marble, granite and other natural stones.
- Excellent weatherproof coating.

Technical Data

Material Performance on a concrete with cement content of 325 kg/m³ and w/c ratio of 0.48

Colour	Grey / White
Toxicity	Non Toxic
Specific Gravity	1.9 Kg/Lit
Abrasion Resistance	0.09 cm/km
Chloride content	1.0%
Water penetration (7 bar)	Nil
Resistance to positive	
Water pressure (DIN 1048)	7 bar
Resistance to negative	
Water pressure (DIN 1048)	3 bar
Chloride ion diffusivity	Zero penetration at 90 days

LEED

Cemguard PC 400 product may contribute towards LEED Limit.

Curing

It is essential that good concreting practice is performed and maintained at every stage of the application process. Ensure that CemGuard PC 400 is cured properly after application. Minimum 3 days curing is essential before flooding.

Technical Support

EUROBUILD will be pleased to offer full technical support on specific applications.

Technical Specifications

CemGuard PC 400 is a two-part system supplied as a preblended powder mix and a new generation of environmentally friendly acrylic emulsion specifically designed to modify cement composition.

Health and Safety

CemGuard PC 400 is alkaline and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust masks should be worn. Splashes to eyes should be washed immediately with water & seek medical advice.

NOTE:

The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and development, we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof

Advantages

- Provides a flexible low permeability surface.
- Excellent resistance to ingress of water
- Excellent resistant to abrasion and UV rays.
- Slip resistant & waterproof for concrete.
- Excellent adhesion to concrete, natural and artificial stone.
- Increases the strength of marble/stone.
- Excellent resistance to chloride ion diffusion and carbon dioxide.

Coverage

Approximately 2 Kg/m² @ 2 mm thickness

Standards

DIN 1048, Part 5: 1991, BS 8102.

Application Instructions

Mixing

Place the liquid component in a suitable mixing container and slowly add powder, mixing with a stirrer using power tool (1kw) at slow speed.

Swimming pools

Apply the first coat at an average 800 -1000 micron and fill all the porous completely. Second coat should apply (approx 1 mm) only after the complete curing (min 48 hours) of the first coat. We recommend that, the treated area should be protected against direct sunlight and damp cured by covering with damp hessian or similar. But not compulsory. Do not flood or over expose to water until it is completely cured.

Reinforcement Application

Virgin polypropylene mesh can be used over joints, cracks and whole reinforcement application. When the completion of the first coat installs the mesh tightly and overcoat the entire area.

Bathrooms/Wet Areas

Surface should be cleaned and remove all loose particles prior to Cemguard applications. Wet the surface prior to application. Surrounding the pipes & fittings must be treated with Eurobond EP system. Corners/edges should be carefully treated with fibre mesh reinforcement.

Two coat of CemGuard PC 400 applied @ 1kg/m² first coat by a masonry brush or appropriate power spray equipment. All applications where two coats are recommended, the second coat shall be applied when the first coat is completely dried. Do not flood or over expose to water until it is completely cured. Total build up thickness >3-4 mm DFT. Recommended to apply two coats @ 3-4 mm thick at a coverage of approximately 2 kg/m²

Marble/Stone Waterproofing

Recommended to apply one coat @ 1 mm thick at a coverage of approximately 0.7 - 1 kg/m²

Shelf Life

CemGuard PC 400 shelf life period of 12 months, if stored in a cool and dry environment.

Packing

20 Kg Kit Powder 15 Kg Liquid 5 Ltr.

Minimum Coating thickness	
Swimming pools	2 mm
Wet Area Floor	2 mm
Water tanks	2 mm
Marble/ Stones	1 mm

CEMGUARD PC 400

Products Range

Thick & Thin Bed Mortar Additives ←

Bonding Agents ←

Flooring ←

Waterproofing Systems ←

Marble, Stone Sealers ←

Concrete Protective Systems ←

Adhesives ←

Concrete Repair Systems ←

Grouts - Tiles & Industrial ←

Construction Speciality Products ←

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