

CEMGUARD PC 400

Cementitious Elastomeric Waterproof Coating

CemGuard PC 400 is a two component (acrylic/cementitious) flexible waterproof protective coating, for concrete and masonry substrate.

CemGuard PC is a 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
- Wet Areas 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.
- Waterproofing on above plaster areas

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 10m² /20 Kg Kit @ 1 mm thickness

Standards

DIN 1048, Part 5: 1991, BS 8102, BS1881 part 208, BS 6920, BS 476 part 6
ASTM C836, EN 1062-7, ASTM E 96

Technical Data

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

Colour	Grey/White
VOC(DCL)	<1g /L
Toxicity	Non Toxic
Mix Density	1.9 Kg/Lit
Solid Content (Polymer)	80%
Abrasion Resistance	0.09 cm/km
Tensile Strength ASTM D751	3 N/mm ²
Elongation ASTM D 412 98a	>60%
Chloride content	<1.0%
Water penetration (7 bar) Resistance to positive (DIN 1048)	Nil
Crack bridging ability (EN14891)	>1.5 mm
Resistance to negative Water pressure (DIN 1048)	3 bar
Chloride ion diffusivity 90 Days	Zero penetration
Yield 20 Kg Kit	Approx 14.0 Ltrs
Compressive Strength	30N/mm ² (28 days)
Bond Strength	>1.5 N/mm ²
Moisture vapour transmission	>300 (g/m ² /day)
Carbonation resistance	0 mm
Shore D Hardness	85%
Service Temperature	-5°C to +80°C
Adhesion Strength	>1 N/mm ²

The above result based on the mixing ratio of 2:1 All values given are subject to ±5-10% tolerances

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 1mm) 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.

Reinforcing 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 coats 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 >1 mm DFT. Recommended to apply two coats @ 1 mm thick at a coverage of approx 1 kg/m²

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 developments, 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.



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

Kit	20 Kg
Powder	15
Liquid	5

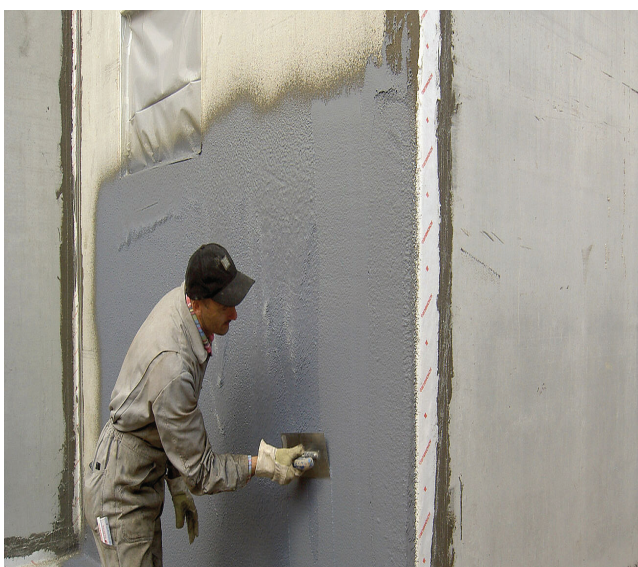
Kit	23 Kg
Powder	18
Liquid	5

Kit	27 Kg
Powder	20
Liquid	7

Recommended Coating thickness

Swimming pools	: 2 mm
Wet Area Floor	: 2 mm
Water tanks	: 2 mm
Marble/ Stones	: 1 mm





CemGuard PC 400

PACKING

VOC

LOW MEDIUM HIGH



PERFORMANCE FEATURES & BENEFITS

AVAILABLE COLORS

GREY **WHITE**

RECCOMENTED AREAS

SWIMMING POOL **WET AREAS**

RECOMMENDED USES

AREA



SWIMMING POOL



BALCONIES



WET AREAS



TANKS

SURFACES



FLOOR



WALL

APPLICATION DETAILS & SURFACE PREPARATION

MIXING DRILL



Stir well before use

TOOLS



Brush/Roller

PART A + PART B



MIXING RATIO



Supplied
Propotion

OPEN TIME



6 Hours. @30°C

APPLICATION THICKNESS



Reccomented Thickness
1 - 2 mm

APPLICATION ENVIRONMENT



Temperature:
5-40 Degree
Humidity : Below 80%

CLEANING



Clean the surface and the tools
with clean water and wet cloth

SURFACE PREPARATION



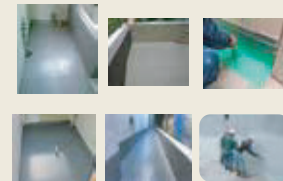
Surface clean thoroughly, saturate with
Water prior to Waterproof Application

APPLICATION



Reccomented for floor and wall

APPLICATION SURFACES



Concrete, precast, screed,

Rev 003/04/2026

17 Countries
100% complete
Construction
Solution
YOUR CONSTRUCTION PARTNER
SINCE 1994

OVER
300
PRODUCT

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