

FLEXCEM PLUS**Description**

Two-component, grey cementitious waterproofing product, with low thickness and made of acrylic elastomers that give the product excellent waterproofing and flexibility properties along with excellent resistance to atmospheric agents and U.V. rays.

Recommended uses

It is intended to be applied to concrete or ceramic surfaces, horizontally or vertically, and makes it possible to obtain a continuous layer for the waterproofing and protection of flat roofs, terraces, balconies exposed to foot traffic (above and under tile), pavements, valley gutters, tanks, flowerpots and swimming pools. The waterproofing layer created with FLEXCEM PLUS is resistant to permanent contact with water and to UV rays, and it is also elastic, flexible and breathable.

The floor (made of ceramic or natural stone tiles) can be glued directly onto the waterproofing product FLEXCEM PLUS using regular tile glue.

Technical features**Composition**

Two-component product made with acrylic elastomers and selected cement.

Type of product

Resin (part A) and Powder (part B) to be mixed together at the moment of use.

Mixing ratio in terms of weight

Resin/Powder = 2:1

Colour

Cement grey

Mix duration

about 60 minutes (at +20°C)

Specific weight

1.600 kg/litre (±0.05)

Dry residue

65% (±2)

Elongation at break after 28 days

120%

Water vapour permeability coefficient (μ)

1500

Drying (at 20°C and R.H 65%)

Surface (to the touch): 120-180 minutes

Recoating with the same product: 4-5 hours

Deep-down dry: 24 hours

Recoating with tiles: minimum 24 hours (recommended 2-3 days)

Application

Components A + B are batched beforehand at a ratio of 2 (Resin A) to 1 (Powder B). Pour part A (Resin) from the service bucket into the larger bucket and carefully mix it using a mechanical stirrer. Afterwards, pour part B (a bit at a time) in part A (Resin), and continue to mix using the mechanical stirrer until you obtain a homogeneous, lump-free mix. The surface to be treated must be suitably clean, sturdy and with no crumbly parts or parts about to come off. Use a regular smooth spatula or a roller to apply two coats of products, waiting 4-5 hours in-between coats. Vertical welts, corners, joints and cracks must be reinforced beforehand with suitable bridging by interposing the ELASTIC reinforcement band with rubber filling material. For surfaces exposed to foot traffic, the glass fibre ARMOFLUX T227 must be used to increase the mechanical strength.

Useful tips

In case of a dry hot climate, slightly dampen the surface prior to applying the product. In case of applications on older tiles, clean the tiles first using a degreasing product and repair any broken tiles using RHEN GROUT TECHNO before you apply FLEXCEM PLUS. In case of "exposed" waterproofing, the cycle can be completed with the application of the protective colouring treatment FLEXCEM PLUS FINITURA.

Consumption and packs**Consumption**

From 2 to 2.5 kg/m² in two coats, for a thickness of about 2 mm.

Packs

A total of 10 kg contained in a single handy bucket

Part A - Resin 6.7 kg

Part B - Powder 3.3 kg

Warehouse storage

Twelve months in its original unopened pack stored in a dry environment, away from sources of heat and protected against direct sunlight, at temperatures ranging from +5°C to +35°C. Once the pack is opened, the product must be used within a short time.

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Imper Italia srl Via Volta, 8 • 10071
Frazione Mappano • Borgaro (TO) Italy
Tel (+39) 011 222.54.99 • Fax (+39) 011 222.54.80
imper@imper.it • www.imper.it