

MIXCOATE ecoACC

Surface applied anticorrosive coating for steel / concrete

MIXBULDE ecoACC is an inorganic geo-polymer based single component protective coating designed to defend the corrosion due to atmospheric chemical reactions. The product is having excellent bonding strength to steel, concrete and other surfaces. Mixcoate ecoACC forms as an excellent corrosion barrier against all sort of corrosive mediums. Mixcoate ecoACC bonds both mechanically and chemically with steel & concrete and give life and durability to the applied substrate.

Appropriation

Reinforcement Steel
General concrete surfaces
Parking areas concrete
Steel surfaces
Bridge structures
Manholes
Concrete roads
Marine structures

Characteristics

Self curing
Fast setting and high early strength
Non-shrink
Water resistant
Non priming
Highly Durable
High adhesion strength
No V O C contents, non-toxic
Environment friendly
Resistant to Chloride, Sulphate, Carbon dioxide and acids (>3pH), Alkali

Technical Data & Properties

Appearance: Grey powder
Density: 2 kg/ltr
Compressive strength N/mm²: 25N/mm²
Bond strength with concrete: 3N/mm²
Bond strength with steel: 5N/mm²
Flexural strength: 4N/mm²
Setting time
Initial set Final set
30 min 60min

Application temperature: 5 °C to 50 °C
Pot life: 30 minutes

Product Management

Surface preparation:
Concrete and masonry substrates shall be dry and free of dust, dirt, oil, grease, loose particles, curing compounds, form release agents etc. This can be achieved by wire brushing, grit blasting, etc. Bitumen based membranes completely removed from the substrate by mechanical scarification or by any other mechanical way. All loose mortars surface contamination which may cause reduce the bonding must be thoroughly removed.

Steel surface must be completely cleaned with wire brush maximum possible affected area and remove micro dust and loose particle by air jet.

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Mixing

Add 1.5 ltr clean water for 5kg powder. Mix by using a drilling machine (500 to 800rpm) connected with blade. The initial appearance will be very dry keep mixing and do not add more water to adjust the consistency and addition of water will reduce the properties of mixed mortar. Continue mixing 3-5 minutes.

Placing

When the material in smooth slurry after mixing wait 5 minutes for complete dissolution of materials then apply the mixed slurry by brush onto cleaned surface.

Points to be noted:

- Apply only on sound and prepared surface only
- Avoid application during hot sun / strong wind

Cleaning: Immediately clean the tools with water

Coverage

Normally 2 coats are recommended, consumption is 1.5kg to 2kg /m² in 2 coats

Packing & Storage

Mixcoate ecoACC is available in 5 / 100 kg buckets. Mixcoate ecoACC shall be stored in cool, dry and shaded conditions. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per manufacturer's recommendations. In extreme tropical climate, the product shall be stored in cooled ambience.

Health & Safety

Mixcoate ecoACC contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure the product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each product

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Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

Group Head office:

PYCHEM Co. L L C
Post Box 23940, Sharjah.
Te: +971 6 5420414 / 5431636
Fax: +971 6 5421446
Mail: mail@fab-cc.com
fabchem@gmail.com

Under Technical Collaboration with
MIX UK Limited
Cherry Tree House, Cherry Tree Lane
Rostherne, Cheshire, WA143RZ
Web: www.mixuk.com

Head office:

T33A/1, Thryambhava Houses
Kalapetty road, Coimbatore – 14
Tel: 0422 3222245
Fax: 0422 2625207
Mail: mail@fab-cc.com
fabchem@gmail.com

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