

MIXGUARD SF

Solvent free two-component coal tar Epoxy Coating system

Mixguard SF is a two-component solvent free tar extended epoxy coating system. The excellent chemical resistance and adhesion of selected epoxy resin, combined with the flexibility and water resistance chemical formulation makes Mixguard SF a high build, dense coating to protect concrete, other cementations substrates and metal against a wide range of aggressive media. The coating will prevent bacterial attack and act as a black film.

Appropriation

To provide protection to metal structures like:
Lining of sewerage works
Manhole covers
Pipes & ferrous metals
Off shore and marine structures

Characteristics

Excellent chemical resistance
High build coating
No primer required
Excellent long term protection from corrosion
Abrasion resistant

Technical Data & Properties

Appearance: Black
Specific gravity: 1.31
Initial cure at 25 °C: 24 hours
Full cure: 7 days at 25 °C
Mix density: 1.4 gm/cc
Pot life: 1 hour
Over coating interval: 24 hours at 25 °C
Flash point: >300 °C
Tensile strength: 9.8N/sq.mm
Chemical resistance:
Fully cured coating is resistance to marine bacteria, sewage, effluent, brine and diluted acids & alkalis

Product Management

Surface preparation: The surface to receive the coating should be structurally sound, dimensionally stable, clear and free from any type of contamination. Grit blasting is recommended for full removal of dexterous materials

Application procedure: Mix design - Mix part A and Part B separately for a minute and then mix Part B (reactor) to Part A (base) and mix well for 2 to 3 minutes to get a uniform homogeneous consistency. Use a slow speed electric drill with a suitable mixing paddle

Application: Mixguard SF can be applied by brush, roller or airless spray. Apply the mixed material to a properly prepared substrate to achieve a uniform coating with minimum wet film thickness of 200 microns and allow drying for at least 12 hours at 25°C. Apply the second coat after the first coat is dry. Maximum advisable duration between coats is 4 days

Coverage: 3 to 4m²/ litre for 300 microns WFT

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Cleaning: Clean all equipments with Xylene or Toluene

Packing & Storage

Mixguard SF is available in 5kg & 20kg kit (Part A and B). For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Should be stored in cool, shaded and dry warehouses, similar to cement. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

Health & Safety

Mixguard SF contains no poisonous 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 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 Fab product

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FAB

THE CONSTRUCTION CHEMIST



FABCHEM



PYCHEM



MIX UK LTD

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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.

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