

MIXCOAT SF 100

Two-component Solvent-free High performance Heavy Duty Epoxy floor coating system



the construction chemist...

Introduction

MIXCOAT SF 100 is a two component solvent free high Performance, Heavy Duty epoxy resin protective and floor coating that provides a durable and impervious floor which is easy to clean, tough and abrasion resistant. It is very firm in resisting a wide range of chemicals .Once cured it is non-toxic and is an ideal coating for Hygiene areas. It has excellent bonding with metal as well as concrete surface.

Appropriation

MIXCOAT SF 100 can be applied as a Protective and floor coating for:

- Portable water tanks
- Silos
- Warehouses
- Chemical Plants
- Ideal Floor and Wall coating for Hygienic Areas such as kitchen and hospitals.
- Water Treatment Plants, Septic tanks & Drainage Channels
- Terminals
- Showrooms
- Theatres, auditoriums, malls, etc.
- Health care & food Processing unit
- Parking areas and car wash areas
- Workshops, fabrication units etc.

Characteristics

Outstanding mechanical properties
Chemical resistance
Hygienic
Provides an impervious surface which is easy to clean
Durable and hard-wearing
Easy to apply
Available in a wide range of colours
Solvent free
Odourless and can be applied on areas having less ventilation

Technical Data and Properties

Standards conform	BS 746 Part 7, 1971; BS 5493
Total solid contents	100%
Touch dry time at 20 °C	6 hours
Over coating time at 20 °C	24 hours
Initial hardness at 20 °C	24 hours
Full cure at 20 °C	7 days
Dry film thickness	400 micron @ 2m ² /kg
Resistance to chemicals	
Alkalis	Good
Ammonia	Good
Hydrochloric Acid 10 %	Good
Acetic Acid 5%	Good
Battery Acid	Good
Oil	Good
Gasoline	Good
Salt Water	Good
Toluene	Good
Xylene	Good
Lactic acid 10%	Good
Citric acid 10 %	Good

Product Management

Surface preparation: Surface preparation plays a vital role in determining the durability of any floor coating. Therefore proper care should be taken while executing it. The concrete should be minimum 28 days old before any coating or toppings are applied. The surface should be free from dust, dirt, curing compound, oil etc. Clean the surface Thoroughly to remove all loosely adhering particles and cement laitance. It is recommended to use a light mechanical grinder for cleaning. Cracks and potholes Should be repaired with suitable concrete repair system or epoxy repair system and allow to cure. Ensure that the moisture content in the substrate is below 5 %



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Cleaning: Clean all equipment's with Xylene, Xylol or Toluene

Packing & Storage

Mixcoat SF is available in 15kg kit. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Micoat SF should be stored in cool, dry and shaded warehouses. Shelf life is 24 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

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. Avoid inhaling the product as it could result in irritations in the respiratory system. 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. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. For more details, please refer to the MSDS released on each PyChem product.

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of 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 and porosity of substrate may impinge on values



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