EPFLOOR NF40(MTR)

3 to 6 mm chemical and abrasion resistant resin rich epoxy floor screed

Description:

EPFLOOR NF40 (MTR) is a three part solvent-free combination of epoxy resin, modified amine hardeners filled with specially graded and selected high crushing strength, chemically inert aggregates. It is laid by trowel as durable chemical resistant screed at approximately 3-6 mm thickness. This nominal thickness provides an impervious topping which is highly chemical resistant by the very careful choice of amine curing agent and graded aggregate. The system includes two pack epoxy resin primer and EPFLOOR NF40 (MTR) which are both supplied in pre-weighed units ready for on site mixing and application. The finished, cured floor has aslightly granular texture of uniform self-color. It is laid by trowel at approximately 3-6mm thick depending upon the requirement. It is highly chemical and abrasion resistant.

Uses:

- Floor topping with exceptional resistance to the surface mechanical wear and attack from chemical spillage
- To get a safe non-slip finish for personnel and vehicular traffic
- For heavy engineering plants, chemical handling and process areas, steelworks, dairies, breweries, oil refineries, paint workshops, battery rooms, plating factories, sugar and food industries
- Widely used for areas of lighter duty where above average durability and low maintenance costs are required

Advantages:

- Resistance to abrasion and to a wide range of chemicals
- Good gripping surface to both vehicular and pedestrian traffic
- Designed for easy laying to a fair finish
- Close textured surface, No need for over coating
- Successful use proven in a wide performance variety of aggressive locations

Product Standard Compliance:

- IS 9162-1979
- ISO 4624:2016

Company Standard Compliance:

Technical Information:

Properties	Specification
Appearance	Brown liquid
Pot life	30 min
Initial hardness	16 hours
Compressive strength	75N/mm²
Flexural strength	26N/mm²
Tensile strength	12N/mm²

Bond strength	3.0N/mm²
Abrasion resistance	3 mg/ cycle
Hydrochloride Acid 10%	Excellent
Sulphuric acid 10%	Excellent
Nitric acid 10%	Excellent
Lactic acid 10%	Excellent
Citric acid 10%	Excellent
Mixing ratio (Base : Hardner : Filler)	2.1: 0.66 :12.240

Application Procedure:
It is essential that EPFLOOR NF40 (MTR) is applied to sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system

New concrete: Laitance deposits on new concrete floors are best removed by light grit blasting, mechanical scrabbling or grinding

Old concrete: Again mechanical cleaning methods are strongly recommended on old concrete floors particularly where heavy contaminations by oil and grease has occurred or existing coatings are present.

Steel Surfaces: Should be degreased and sand blasted immediately prior to application.

Add the aggregate slowly to the mixed resin and hardener, continue mechanical mixing for a further 2-3 minutes, until all the components are thoroughly blended.

The mixed EPFLOOR NF40 (MTR) should be spread to uniform thickness on the primed surface using a steel trowel.

The material should be tamped with a wooden float to ensure complete compaction and finally finished to a closed even texture using a steel trowel.

Temperature resistance:
EPFLOOR NF40 (MTR) can resist temperature up to 80°C.

Coverage:
Depends on thickness of work.

Packaging:
EPFLOOR NF40 (MTR) is supplied in 15 Kg pack.

Storage & Shelf-life:
EPFLOOR NF40 (MTR) have a shelf life of 12 months when stored in a dry place below 35°C.

Health & Safety:
EPFLOOR NF40 MTR should not come in contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confi ned areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection. In case of
contact with eyes, rinse immediately with plenty of clean water and seek medical attention immediately - if swallowed seek medical attention immediately - do not induce vomiting.

Indian Green Building Council

It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.

CERTIFIED COMPANY ISO 45001:2018

ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.

CERTIFIED COMPANY ISO 9001:2015

ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations,Demonstrate commitment to quality, and Identify and improve processes that lack consistency.

CERTIFIED COMPANY ISO 14001:2015

ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

GEV-EMICODE Ec1 PLUS Very low emission

This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

GREEN INNOVATION

Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

CERTIFIED COMPANY ISO/IEC 17025:2017

ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

Redwop INNOVATING FOR A BETTER WORLD
REDWOP CHEMICALS PVT. LTD.
Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat (IN) 360005 India
info.redwop@gmail.com http://redwop.net 9724655551 ☎ 0281 2576664