

FIBSEAL FRP

3 Component High Quality Fiber Reinforced FRP Coating

Product # 114.5
Version no: 25.6.2022

Technical Data

PRODUCT DESCRIPTION: Fibseal FRP is a system which include resin , hardner and accelerator with fiber that's give a flexible and tough at some extent waterproofing coating.

AREAS OF APPLICATION

- leak-proofing of rooftops
- factory floor
- chemical industries
- anti-corrosion treatment plants
- concrete tanks
- pipe fittings,etc
- concrete,
- different types of steel,
- PVC, PP, PVDF, PE, EPS or any kind of thermoplastic

ADVANTAGE

- Cost-effective
- Design Flexibility
- Non-conductive
- Durable
- Corrosion Resistant
- Eco-Friendly
- long-lasting time

APPLICATION METHODOLOGY

SURFACE PREPARATION

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove any old painting using a surface grinder.
- For best bond, concrete surface be prepared as per CSP 1, 2 or 3 before priming.
- Ensure that the new concrete is cured for at least 28 days and surface moisture content is below 4 % before application.

MIXING

Add Component C(Accelerator) to Component A(Resin) of FIBSEAL FRP slowly to ensure complete dispersion and slowly add Component B(Hardner) of FIBSEAL FRP to ensure complete dispersion(Do quickly). Mix material consume with-in 12 mins at 30°C.

PRIMING

- Prime concrete surface with **FIBSEAL FRP PRIMER** and allow it to dry for 6 – 8 hrs @ 27°C.
- No need to primer on non absorbent surface.

APPLICATION

Apply mix of FIBSEAL FRP and spread evenly over the recommended area using brush. Apply first coat of mix material and then fiber then apply finish coat. Consume mixed batch as soon as possible.

CLEAN UP

Clean all tools immediately after use with Fibrex paint remover. Do not allow material to harden. Any hardened material will need to be removed mechanically.

TECHNICAL SPECIFICATIONS

Theoretical Coverage FIBSEAL FRP	1.5kg/m ² /mm(with one sheet of 300 gsm fiber)
Mixing Ratio (A:B:C)	50:1:0.13 (by weight)
Pot Life @ 30° C	14-15 Minutes
Application Temperature	10 - 30° C
Curing Time @ 25° C	•Foot Traffic 6-8 Hrs •Vehicle Movement 72 Hrs •Full Cure 7 Days
Adhesion to Concrete,7 Days Curing ASTM D 7234	> 1.5 MPa Concrete Failure
Surface Hardness, Shore D (3 days at 30°C)	55 ± 5

CHEMICAL RESISTANCE

Resistance against at some extent Acidic, environmental and alkaline corrosion. For More information contact to Fibrex.

LIMITATIONS

- Do not apply FIBSEAL FRP on surfaces known to or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using FIBSEAL FRP in those areas.
- Do not apply FIBSEAL FRP to asphalt, weak or infirm concrete, unmodified sand-cement screeds.
- Do not apply FIBSEAL FRP over treated expansion joints.

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Data
Tech

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based floor (interior)
- Floors with a pull off strength less than 1.5 N / mm²

PACKAGING

FIBSEAL FRP

A part (Resin)	- 225 Kg barrel
B part (Hardener)	- 30 Kg can
C part (Accelerator)	- 30 Kg can
Or Project Standards	

STORAGE

Store the material at temperatures between + 10° C and + 35° C. In originally sealed packages, the material can be stored for 10-12 months. Be assured open drums/buckets/bags of material should be used quickly to avoid moisture contamination.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel.

Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals pvt. ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

