

PRODUCT DESCRIPTION: Fibfloor cemtop 90 is a high strength epoxy-cement composite underlayment flooring material or patching mortar used where exceptional strength and toughness is needed and where the flooring has to be laid on damp surface. It is a three component water based epoxy system with selected cementitious components. Fibfloor cemtop 90 has an excellent adhesion and provides good abrasion resistance to floors.

AREAS OF APPLICATION

- Paper Mills
- Dairies & Breweries
- Fertilizer Plants
- Petro Chemical Industries
- Automobile Plant
- Power Houses
- Sport Turf
- Bottling Plants

ADVANTAGE

- Ideally suitable where the sub flooring is damp or expected to contain moisture
- Excellent bond to concrete
- Extremely high early strength
- Good resistance to chemicals
- Easy to apply and can act as underlayment for any flooring system

APPLICATION METHODOLOGY

SURFACE PREPARATION

Correct preparation of surface is essential. When applied over concrete, the surface must be sound, free from dust, laitance and other contaminants. Surface must be prepared by mechanical abrasion. For best bond, concrete surface must be slightly textured. Remove oil and grease by washing with liquid detergent followed by acid wash. Remove old painting if any, using surface grinder

PRIMING

Generally Fibfloor cemtop 90 is self-priming and does not require primer. However, it is advisable to apply Fibfloor cemtop 90 primer in case of very old substrate, which can extend the expected life span. It is important to wet the surface before applying Fibfloor cemtop 90. However standing water should be removed. Allow the primer to dry for 6 to 24 hours till it is dry.

MIXING

Mixing is carried out in a specially designed drum mixer or in a bucket using @ 1000 RPM drilling machine fitted with paddle. Mix Fibfloor cemtop 90 component A & C thoroughly by using a drill mixer till a homogeneous mix is obtained. Then add component B slowly, ensuring complete dispersion.

After, all of component B has been added, mix for a minimum of 5 to 10 minutes. Keep screed points for a width of 1 to 2 meters using 2-3 mm thick wooden strips and pour the mixed material on the floor and spread it over the recommended area by using a english trowel. Ensure that the material fills up all the area equally and apply spike-roller to remove all air bubbles. Ensure that the spike roller is not applied too long to leave permanent indentations on the surface. Anchor the material near floor to wall joints, around columns & foundations & at edges of trenches, gutters, bays & expansion joints. About 2 hrs after the application is completed, screeding bars can be removed, cleaned and reused.

FINISHING

Fibfloor cemtop 90 can be applied on various substrates like concrete or kota stone etc. However it is advisable to test the adhesion using sample substrate. Depending on temperature conditions. Any further coating or topping can be applied (generally after 24 hours). Do not apply under 10°C.

CLEAN UP

Clean all tools immediately after use with water. Do not allow the material to harden.

TECHNICAL SPECIFICATIONS

| | |
|---------------------------|---|
| Coverage | Based on site conditions |
| Mixing Ratio (A:B:C) | 10.06:1:87 (by weight) |
| Mix Density ASTM D 1475 | 2.046 g / cc |
| Pot Life | 40 to 50 minutes at 30°C |
| Curing Time | Foot Traffic after 24 hours Full Curing after 7 days |
| Shrinkage Factor | Negligible |
| Colour | Concrete grey |
| Compressive Strength | 40-50 N/mm ² |
| Flexural Strength | 10 N/mm ² |
| Tensile Strength | 5 N/mm ² |
| Bond Strength to Concrete | 3.0 N/mm |

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FIBFLOOR CEMTOP 90

Cementitious Epoxy Patching Mortar

Product # 114.120
Version no: 16.11.23

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LIMITATIONS

- Do not apply Fibfloor cemtop 90 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 Fibfloor cemtop 90 in those areas.
- Do not apply Fibfloor cemtop 90 to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply Fibfloor cemtop 90 over treated expansion joints.

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

FIBFLOOR CEMTOP 90 (A+B+C : 30 KG PACK)

Supply

2 Packs Set : 60 KG (A Part : 2 Nos, B Part : 2 Nos & C Part : 2 Nos)

STORAGE

Store the material at temperatures between + 10° C and + 35° C. In originally sealed packages, the material can be stored for 6 months. But before opening the drums, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly to avoid moisture contamination. If a container needs to be resealed, it should be blanketed with nitrogen to minimize water exposure.

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 and using, 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.

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DISCLAIMER:

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FIBREX OTHER PRODUCTS – WE DO

