

PRODUCT DESCRIPTION: FIBFLOOR CC is a polymer modified cementitious mortar designed for use as concrete repair mortar at thickness of 13 mm to 50 mm. It is formulated to incorporate liquid latex technology, which provides excellent durability under freeze-thaw cycling as well as reducing ingress by water and deicing salts. FIBFLOOR CC is easy to work with at a high slump consistency and provides a fast setting abrasion resistant repair.

AREAS OF APPLICATION

- Parking Decks
- Floors
- Docks
- Marine Structures
- Ramps
- Joints
- Curbs and Gutters
- Pavements and Walkways

ADVANTAGE

- Provides a strong, wear resistant patch.
- Excellent durability under freeze/thaw cycling.
- Resists penetration of water and deicing salts for good substrate protection.
- Excellent bond to properly prepared sound concrete.
- Easy to use two part system.
- Suitable for both indoor and outdoor use.
- High slump formula for easy handling.

APPLICATION METHODOLOGY

SURFACE PREPARATION

New concrete must be a minimum of 28 days old if an epoxy adhesive will be used to bond the topping. If a slurry bond coat is used, the concrete must be a minimum of 3 days old. The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be prepared mechanically using a scabber, brush hammer, shotblast or scarifier which will give a surface profile of a minimum 1/8" (3 mm) and expose the coarse aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing. Acid etching is acceptable only when mechanical preparation is impractical. Use of an epoxy bonding agent is strongly recommended if acid etching will be used to create the surface profile. All concrete must possess an open surface texture with all curing compounds and sealers removed.

BONDING

After the surface has been prepared, prime all area with either a slurry such as Shalimar 352.

NOTE: If the substrate has been prepared by acid etching, use of epoxy primer is highly recommended. The primer bonding agent must be ordered separately.

SLURRY COAT

Mix FIBFLOOR CC as instructed but add an additional 0.6 liter of water per unit of the mix. Broom the slurry coat on to the prepared and re-dampened concrete. Apply the FIBFLOOR CC topping before the slurry coat has dried.

MIXING

Small quantities of FIBFLOOR CC may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of FIBFLOOR CC Liquid for the batch size and then add the dry product. Mix a minimum of 3 minutes. Add pea gravel (if appropriate) and mix for an additional 2 minutes. The mixed product should be transported to the repair area and placed immediately.

PLACEMENT

Discharge material from mixer and place onto floor. For patching, spread with a trowel, come along, or square shovel to a thickness that matches the surrounding concrete. Finish by hand troweling. On large floor areas, use screed strips as guides in combination with vibratory screeding to level. Finish by hand trowelling.

FINISHING

Finish the repair material to the desired texture. Do not add additional water to the surface during the finishing operation. If additional liquid is required, use FIBFLOOR (CC) liquid.

CURING & SEALING

Proper curing procedures are important to ensure the durability and quality of repair. To prevent surface cracking, cure the floor with a high solids curing compound. If curing compound is not desired, wet cure for a minimum of 3 days.

CLEAN UP

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

TECHNICAL SPECIFICATIONS

Appearance	
A Part	Grey powder
B Part	White liquid
Mixing ratio(A:B)	8.09:1(by weight)
Coverage	2.08kg/m ² /mm
Compressive strength (50 mm) cubes	
1 day	21 MPa
3 days	28 MPa
7 days	41 MPa
28 days	50 Mpa

FLEXURAL STRENGTH	
28 days	12 Mpa
BOND STRENGTH	
14 days	11 MPa
Unit Weight	2083 kg/m ³

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.

LIMITATIONS

- Do not apply FIBFLOOR (CC) 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 (CC) in those areas.
- Do not apply FIBFLOOR (CC) to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply FIBFLOOR (CC) 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 CC (A+B : 18 KG SET)

STORAGE

Store the material at temperatures between + 10° C and + 45° C in originally sealed packages, the material can be stored for 12 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.

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. 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.

Tech Data

DISCLAIMER:

Fibrex Construction Chemicals 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 Construction Chemicals 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

