

PRODUCT DESCRIPTION: FIBFLOOR (TC) is a latex modified cementitious product designed for use as a concrete repair mortar at thickness of up to ½ "(13 mm). It is formulated to incorporate liquid latex technology, which provides excellent durability under freeze/thaw cycling as well as protection against ingress by water and de-icing salts. FIBFLOOR (TC) 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

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.

MIXING

Small quantities of FIBFLOOR TC may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of FIBFLOOR TC Liquid (B PART) for the batch size and then add the dry product (A PART). 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.

SLURRY COAT

Mix FIBFLOOR TC 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 redampened concrete. Apply the FIBFLOOR TC topping before the slurry coat has dried.

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.

FINISING

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 TC liquid (B PART).

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(check fibrex curing compound). (Note: A solvent based curing compound should not be used on this product.) In hot, windy or direct sunlight situations, re-wet the surface after the curing compound has dried and cover with polyethylene for a minimum of three days. 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)	5.25:1(by weight)
Coverage	2.05kg/m ² /mm
COMPRESSIVE STRENGTH (BS12390) (50 mm) cubes	
1 day	21 MPa
3 days	28 MPa
7 days	41 MPa
28 days	50 Mpa

TECHNICAL SPECIFICATIONS

FLEXURAL STRENGTH	
28 days	11 Mpa
BOND STRENGTH	
14 days	11 MPa
Unit Weight	2051 kg/m ³
SPECIFICATIONS & COMPLIANCES	FIBFLOOR TC attains a bond strength in compliance with ASTM C 1059-86 Type II Systems FIBFLOOR TC has been approved for use by the Ohio EPA for contact with drinking water supplies

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.

PACKAGING

FIBFLOOR TC (A+B : 20 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

- Store in a dry place above freezing.
- Keep liquid and powder off of skin and out of eyes.
- Wear protective clothing and eyewear.
- May not be suitable as an overlay for abusive traffic. Use FIBFLOOR CC.
- Do not use material at temperature below 7°C.
- No heavy traffic until the product has cured.
- Keep repair from freezing until a minimum strength of 7 MPa is reached.

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 busing, 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

