

FIBFLOOR (CC)

Latex Modified Patch Kit

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

FEATURES & BENEFITS

- 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.

TECHNICAL SPECIFICATIONS

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
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BOND STRENGTH

14 days	:	11 MPa
Unit Weight	:	2083 kg/m ³

APPEARANCE

FIBFLOOR (CC) is a free flowing powder designed to be mixed with white latex liquid (FIBFLOOR (CC) Liquid). After mixing and placing, the colour may initially appear



darker than the surrounding concrete. While the colour will lighten substantially as the FIBFLOOR (CC) cures and dries out, the repair may always appear somewhat darker than the surrounding concrete. This product is designed for finishing with a float or broom appearances. A steel trowel finish may be applied but timing of the final trowel is critical and the contractor may have difficulty achieving a smooth finish over a large area.

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.

JOINTS AND EDGES

Edges should be saw cut to 1/4" (6 mm) deeper than the topping thickness and the floor should be notched at the edge of repair to provide a locked in, reinforced edge. Chip the edge with a hand held chipping hammer to provide the wedge shaped notch. Moving joints as in the case of expansion joints should be brought up through the repair by saw cutting or with the use of divider strip.

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.

EPOXY PRIMER

Use FIBSET 412 epoxy adhesive for repairs.

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-a-long, 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 tools and equipment with water before the material hardens.

PRECAUTIONS

- Store in a dry place above freezing.
- Keep liquid and powder off of skin and out of eyes.
- Wear protective clothing and eyewear.
- Do not use solvent based curing compounds on this product.
- 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.

PACKAGING / YIELD

FIBFLOOR (CC) is a unit containing 8.7 kg of FIBFLOOR (CC) powder and 1.3 litre of FIBFLOOR (CC) Liquid. This kit is packaged in a 10 kgs box containing both the powder and the liquid latex additive. Three units of FIBFLOOR (CC) when placed at an average depth of 13 mm will cover approximately 1m² area

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