

FIBFLOOR-(SCREED)

Trowel Applied Chemical & Abrasion Resistant Epoxy Screed

DESCRIPTION

Fibfloor-(screed) is a 3 component abrasion resistant flooring laid with the help of steel trowel, to a thickness of 3 to 5 mm. Fibfloor-(screed) is extremely tough, durable, slip resistant and is ideally suited for areas subjected to high impact, high a-brasion, forklift movement and areas exposed to chemicals and oil spillage. Fibfloor-(screed) provides excellent bond to concrete surfaces and can be incorporated in the design of new floors or as an overlay to existing floors to protect it against impact and corrosive effect of chemicals.

AREAS OF APPLICATION

- Production Line Areas of Engineering Industries.
- Heavy Processing Plants and Storage Areas.
- Fertilizers Plants.
- Petrochemical Industries.
- Automobile Plants.
- Power Houses.
- Loading Bays.
- Bottling Plants.
- Pharmaceutical Industries.
- Paper Mills.
- Textile Mills.
- Daries & Breweries.
- Effluent Treatment Plant Lining.

ADVANTAGES

- Very good resistance to abrasion.
- Excellent bond to concrete.
- Very good resistance to chemicals including acids and alkalies.
- High resistance to impact load.
- Durable

APPLICATION METHODOLOGY

Correct preparation of surface is essential. Fibfloor-(screed) should be laid only if the moisture content of the floor is below 5 %. When applied over concrete, the surface must be sound, free from dust, oil, grease and other contaminants. Remove oil and grease by scarifying or acid wash or by burning followed by washing with liquid detergent. Allow the floor to dry before priming. Where there are expansion joints in the floor, these must be treated separately.

PRIMING

Surface should be bone dry prior to this application. All surface should be primed using Fibfloor Primer @ 250 gms per sq.m. Mix Primer Component A & B thoroughly and apply by brush.



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MIXING OF FIBFLOOR(SCREED)

Mixing is carried out in a specially designed drum mixer or in a bucket with the help of drill mixer fitted with paddle@ 1000 Rpm. Mix Fibfloor-(screed) component A & B thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained and then add component C slowly, ensuring complete dispersion. After adding Component C, continue mixing for 5- 10 minutes.

LAYING

Immediately after application of primer, pour the mixed material of Fibfloor-(screed) on the floor and spread it over the calculated area by using a steel trowel. Compact the material by tamping with a wooden float. Finish off by trowelling with steel trowel to a smooth finish. Anchor the screed mortar near floor to wall joints, around columns and foundations and at edges of trenches, gutters, bays & expansion joints. To ensure uniform thickness, the mixed materials should be spread out between temporary screeding bars used as shuttering. After application is completed, bars can be removed, cleaned and reused.

COVING

Fibfloor-(screed) can be used as coving material.

FINISHING

Fibfloor-(screed) can be applied on various substrates like concrete, or kota stone, etc. To ensure that a closed surface is obtained, the screed should be sealed 24 hours after application using sealer coat or Fibfloor FC in 2 to 3 coats. Even Fibfloor SL of minimum 1 mm can be laid on top of Fibfloor-(screed).

CLEAN UP

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

TECHNICAL SPECIFICATIONS

Estimated Coverage	:	20 kg. pack will cover approximately 1.8 m ² for 5-mm thickness
Pot life	:	40 to 50 minutes
Curing time	:	Foot traffic after 24 hours. Heavy traffic after 48 hours. Full chemical resistance after 7 days cure.
Shrinkage Factor	:	Negligible.
Colour	:	Attractive colors.
Compressive Strength	:	60 N/mm ²
Flexural Strength	:	25 N/mm ²
Tensile Strength	:	8.5 N/mm ²
Bond Strength To Concrete	:	3.0 N/mm
Elongation At Break	:	1.8 %
Charpy Impact Value	:	33 Joule / Meter
Taber Abrasion Resistance	:	1.8 Mgs
Rockwell Hardness	:	9.8 On 'R' Scale

CHEMICAL RESISTANCE

10% Acetic Acid

25% Nitric Acid

25% Ammonium Hydroxide

10% Sulfuric Acid
50% Caustic Soda (Sodium hydroxide)
10% Citric Acid
10% Lactic Acid
25% Phosphoric Acid
10% Hydrochloric Acid
50% Saturated Sugar

Xylene, Concentrated bleach, Fruit juices, Beer, Wine, Crude Oil / Gas, Petrol, Saturated Urea, Butanol.

* Prolonged contact with chemicals will affect the colour of the flooring. Wash off spillage with water. Regular washing of floors with detergent water is recommended 7 days after application time. Good housekeeping such as regular washing will prolong the life of the floor.

STORAGE

8- 12 months in original unopened containers. Store in cool dry place. Do not expose to direct sunlight.

PACKAGING

Fibfloor Primer	:	1,5kg & Project Standard
Fibfloor –(Screed)	:	Project Standard

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