

FIBFLOOR-(SL)

Self - Levelling Epoxy Floor Topping

DESCRIPTION

Fibfloor SL is a three component pigmented epoxy floor topping which is laid at a thickness of 0.5 mm to 2 mm. Fibfloor SL is jointless, monolithic, smooth, non-porous, hygienic, and chemically resistant and is easy to clean and maintain. It is available in a number of colours and has sufficient strength to withstand industrial traffic with nylon/rubber wheels.

AREAS OF APPLICATION

Fibfloor SL is resistant to fungal, bacterial growth, wear & tear and is ideally suited for areas where hygienic, dust free and resistance to abrasion is required. It is recommended for application in the following areas:

- Chemical plants
- Pharmaceutical Industries
- Food Processing Areas
- Bottling Plants
- Electric/Electronics Industries
- Computer Rooms
- Hospital Operation Theatres & Corridors
- Nuclear Power Plants
- Dairies & Breweries
- Laboratories
- Aerospace Industry
- Airport Hangers
- Picture Tube Manufacturing Plants
- Automobile Workshops
- Fermentation Floors in Tea Gardens
- Textile Mills

ADVANTAGES

- Easy to apply. Flowable consistency for self leveling application.
- Has excellent bond to concrete and other substrates like Kota stones (seamless, non staining does not allow growth of bacteria hence suitable for potable water or food storage)
- Good resistance to abrasion. Does not generate dust even under vehicular traffic
- Available in attractive colours
- Excellent resistance to chemicals

APPLICATION METHODOLOGY

Correct preparation of surface is essential. Fibfloor SL 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. At end of floor near entrance, around trenches & gutters, cut open the concrete floor & anchor Fibfloor SL.



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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. Allow the primer to become dry.

MIXING

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

Fibfloor SL must be laid immediately after mixing is over. The mix should be spread evenly over the recommended area using a notch trowel. Use spike roller with long handle on pourable casted floor to remove entrapped air.

If antiskid surface is required, scatter antiskid aggregate on to the applied surface within one hour of Fibfloor SL application.

TECHNICAL SPECIFICATIONS

Compressive Strength	-	50 N/mm ²
Flexural	-	35 N/mm ²
Adhesion to Concrete	-	3.00 N/mm ²
Tensile Strength	-	18 N/mm ²
Water absorption at 27°C at 24 hr	-	0.20 %
Elongation at break	-	8 %
Rockwell hardness on R Scale	-	82
Estimated Coverage	:	Fibfloor Primer 250 gm/m ² 14 Kg pack of Fibfloor SL is sufficient for 4 - 4.25 m ² for 2 mm.
Pot Life	:	90 minutes (approx) at 30°C
Curing Time	:	Foot traffic after 24 hours. Full load after 72 hours Full cure - 7 days
Shrinkage factor	:	Negligible

CHEMICAL RESISTANCE

Fibfloor SL is resistant to a variety of chemicals as given below :

10%	Acetic Acid	10%	Nitric Acid
25%	Ammonium Hydroxide	10%	Sulphuric Acid
50%	Caustic Soda	10%	Citric Acid
10%	Lactic Acid	10%	Hydrochloric Acid
25%	Phosphoric Acid		

* 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.

COLOUR RANGE

Fibfloor SL is available in various attractive colours. Every effort is made in manufacturing to maintain consistency of color, however exact colour can vary from one batch to other batch.

CLEAN UP

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

STORAGE

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

PACKAGING

Fibfloor Primer	:	1,5 kgs & Project Standard
Fibfloor SL	:	Project standard

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