

# FIBFLOOR-(SLC)

## Solvent Free Epoxy Floor Coating

### DESCRIPTION

Fibfloor SLC is a two component-pigmented epoxy floor coating with a thickness of around 300 microns. Fibfloor SLC is unique in its simplicity of application resulting in a smooth, non-porous, hygienic, chemically resistant floor coating. It is available in a number of colours and has sufficient strength to withstand industrial traffic with nylon/ rubber wheels.

### AREAS OF APPLICATION

Fibfloor SLC is resistant to fungal & bacterial growth and is ideally suitable for areas requiring hygienic, dust free and wear-resistant surface. It is recommended for the following areas

- Chemical Plants
- Pharmaceutical Industries
- Food Processing Areas
- Bottling Plants
- Electric / Electronics Industries
- Computer Rooms
- Hospital Operation Theatres
- Nuclear Plants.
- Laboratories
- Aerospace Industry
- Airport Hangers
- Picture Tube Manufacturing Plants
- Automobile Garages
- Fermentation Floors In Tea Garden
- Textile Mills
- Dairies & Breweries

### FEATURES & BENEFITS

- Has excellent bond to concrete and other substrates like tiles, 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
- Has a number of attractive colours
- Excellent resistance to chemicals

### APPLICATION METHODOLOGY

Correct preparation of surface is essential. Fibfloor SLC should be applied only if the Moisture content of the floor is below 5%. When applied over concrete, the surface must be sound, free from dust, laitance and other contaminants. Surface must be prepared by mechanical abrasion. Remove oil and grease by washing with liquid detergent followed by acid wash or by burning. Allow the floor to dry before priming. Remove old coating if any, by grinding surface.

### PRIMING

- Surface should be bone dry prior to this application.
- All surface should be primed using Fibfloor Primer at a rate 200 - 250 gms/m<sup>2</sup>. Allow the primer to dry for 4 to 6 hours till it is touch dry. Mix Primer Component A & B thoroughly and apply by brush or roller.



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## MIXING OF FIBFLOOR SLC

- Mixing is carried out in a bucket using drilling machine fitted with paddle. Mix Fibfloor SLC component A & B thoroughly by using drill mixer till a homogeneous mix is obtained.
- Fibfloor SLC must be applied immediately after mixing. The mix should be applied evenly over the calculated area using a brush or roller.

## PHYSICAL PROPERTIES

■ Compressive Strength	-	30 N/mm <sup>2</sup>
■ Flexural Strength	-	15 N/mm <sup>2</sup>
■ Adhesion to Concrete	-	1.5 N/mm <sup>2</sup>
■ Tensile Strength	-	10 N/mm <sup>2</sup>
■ Water Absorption at 27°C at 24 hr	-	0.20 %

## TECHNICAL SPECIFICATIONS

Estimated Data	:	4-Kg unit of Fibfloor SLC is sufficient for 10 sqmtr for 300 micron DFT.
Pot Life	:	40 minutes (approx) at 30°C
Curing Time	:	Foot traffic after 24 hours. Full Cured - 3 to 7 days
Shrinkage Factor	:	Negligible

## CHEMICAL RESISTANCE

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

10% Acetic Acid	5 % Nitric Acid
25% Ammonium Hydroxide	10% Nitric Acid
50% Caustic Soda	10 % Sulphuric Acid
10% Citric Acid	30% Hydrochloric Acid

\* Prolonged contact will affect the coating. Wash off spillage with water. Regular washing of floors with water is recommended. Good housekeeping such as regular washing will prolong the life of the floor.

## COLOUR RANGE

Fibfloor SLC is available in various colours. While every effort is made in manufacturing to maintain consistency of colour, exact colour matching between batches cannot be guaranteed.

## 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	:	1,5kg & Project Standard
Fibfloor SLC	:	Project Standard

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