

# FIBFLOOR-(PU)

## Aliphatic Polyurethane Top Coat

### DESCRIPTION

Fibfloor- PU is a two component, liquid aliphatic polyurethane based surface tolerant coating. It is an ideal high solid protective coating specifically for UV and weather resistant. It is also a decorative finish coat with high abrasion and chemical resistance.

### AREAS OF APPLICATION

Typical applications areas are :

- Bulk storage tanks
- Hygienic wall coating
- Metal structures exposed to atmosphere
- Highly effective protective coating for offshore structures
- Concrete surfaces splashed with seawater
- Tank Linings for storage of petroleum products

### FEATURES & BENEFITS

- Better adhesion and flexibility
- Chemical resistance
- UV and weather resistance
- Improved performance over manually prepared concrete surfaces
- Improved performance for resistance to chlorine

### APPLICATION METHODOLOGY

#### SURFACE PREPARATION

**Concrete** - Mechanical grinding or other suitable surface preparation is recommended for obtaining best results on concrete. Compressed air is used to remove residual dust or use brush to remove dust completely. Compressed air should be oil free. Apply only to dry surfaces. Old concrete should be sound and any oil, grease etc should be removed by suitable degreaser or by burning. Any laitance should be removed. Old coatings etc should be abraded prior to application of Fibfloor- PU.

#### STEEL

Steel surface, which are to receive Fibfloor PU coating should be prepared by sandblasting or power tool or mechanical cleaning to a commercial Grey metal finish. If moisture or other contaminants contaminate prepared surface, they should be reblasted. Fibzinc primer/ Rust converter primer may be applied as anticorrosive primer prior to coating with Fibfloor PU

#### MIXING

Fibfloor PU Comp A and Comp B should be mixed separately for one minute using a electrical drill mixer. Then add Comp B to Comp A and mix thoroughly by electrical drill mixer for at least 2 -3 minutes till a homogeneous uniform colour is obtained.

### COATING

After proper mixing of Comp A and Comp B, mixed material can be applied by brush or roller on the prepared surface.

### COLOUR RANGE

White, Light Grey, Dark Grey & Brick Red. Some specific colours may be available on request.



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## TECHNICAL SPECIFICATIONS

System	:	Prepacked system
Finish / Shine	:	Semi gloss
Density	:	1.10 + 0.03 gm/cc
Pot Life	:	4 - 5 hrs at 30°C
Surface Dry	:	30 - 45 min at 30°C
Application Temperature	:	Avoid application at air and floor temperature below 10°C and above 40°C
Recoating Time	:	Minimum 10-12 hrs and maximum 24 hrs
Curing Time	:	suitable for foot traffic - after 24 Hours of 2nd /3rd coat application Full cure, suitable for wheel traffic after 7 days
Shelf Life	:	1 year when stored in well sealed Container (keep away from direct sunlight)
Coverage	:	approximately 250-300 gm per m <sup>2</sup> depending on surface conditions Generally 3 coats are preferred @ 100 gm/m <sup>2</sup>
Dry Film Thickness	:	150-200 microns at the above

## CHEMICAL RESISTANCE

Salt Water	-	Excellent	Alkalies	-	Good
Urine	-	Excellent	Ammonia	-	Good
Xylene	-	Good	Beer	-	Good
Petroleum products	-	Excellent			

Suitable suggestion can be given on request regarding acid resistance property.V

## CLEAN-UP

Tools are washable with Xylene.

## PACKAGING

FIBFLOOR PU is available in 1,5,20kg & Project Standard

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