

CF-SCREED HDF

Trowel Applied Abrasion Resistant Epoxy Topping

DESCRIPTION

CF-Screed HDF is a 3 component abrasion resistant flooring laid by trowelling, to a thickness of approximately 3 to 6 mm for normal application. CF-Screed HDF is extremely tough, durable, slip resistant and is ideally suited for areas subjected to high impact, high abrasion, forklift truck movement and areas exposed to chemicals and oil spillage.

CF-ScreedHDF 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 to chemicals.

AREA OF APPLICATIONS

- Production line areas at Engineering industries.
- Heavy processing plants and storage areas.
- Fertilizers plants.
- Petrochemical Industries.
- Automobile plant.
- Power houses.
- Loading bays .
- Bottling plants.
- Pharmaceutical aseptic areas
- Paper mills
- Diaries & breweries
- Effluent treatment plants lining

ADVANTAGES

- ◆ Very good resistance to abrasion.
- ◆ Jointless monolithic flooring.
- ◆ Excellent bond to concrete
- ◆ Very good resistance to chemicals including acids and alkalies.
- ◆ High resistance to impact load
- ◆ Extremely durable
- ◆ Easy to clean and maintain.

APPLICATION METHODOLOGY

Correct preparation of surface is essential. When applied over concrete, the surface must be sound, free from dust, laitance and other contaminants. Surface must be prepared by mechanical abrasion. For best bond, concrete surface must be slightly textured. Remove oil and

grease by washing with liquid detergent followed by acid wash . Allow the floor to dry before priming . Remove old painting using surface grinder.

Priming :

All surface should be primed by brush or roller using CF- Primer(F) at a rate of 250 grams per Sqm. Allow the primer to dry for 1 hr till it is tacky.

Mix Primer Component A & B thoroughly and apply.

Mixing of CF-ScreedHDF

Mixing is carried out in a specially designed drum mixer or in a bucket using @ 1000 RPM drill mixer fitted with paddle. Mix CF-ScreedHDF component A &B thoroughly by using a pallet knife till a homogeneous mix is obtained. Transfer the total quantity of material into the mixing drum. Start the mixer and add component C slowly, ensuring complete dispersion. After all of component C has been added, mix for a minimum of 5 to 10 minutes.

Pour the mixed material on the floor and spread it over the recommended 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 & foundations & 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

CF-ScreedHDF mortar can be used in constructing perimeter edge up to 250 mm height which can subsequently be covered with CF-sealer

FINISHING

CF-ScreedHDF can be applied on various substrates like concrete, Kota stone etc. To ensure that a closed surface is obtained, the screed should be sealed 24 hours after application using sealer coat or CF-Dura FC in 2 to 3 coats.

CLEANING

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

PACKAGING

CF- Primer (F)	:	4 kgs
CF-ScreedHDF	:	19 kgs
CF-Clear Sealer	:	4 kgs

TECHNICAL DATA

COVERAGE	:	1.7 Sqm. Per 19 kg at 5 mm thickness
POT LIFE	:	40 to 50 minutes
CURING TIME	:	Foot traffic after 24 hours. Heavy traffic after 72 hours Full chemical resistance after 7 days cure.

SHRINKAGE FACTOR : Negligible.
COLOUR As per customers requirement.

PHYSICAL PROPERTIES

		CF-SCREEDHDF
◆ Compressive Strength	-	60- 70 N/MM ²
◆ Flexural Strength	-	20 N/MM ²
◆ Tensile Strength	-	17 N/MM ²
◆ Bond strength to concrete	-	3.0 N/MM ²
◆ Water absorption at 27oC at 24 hr -		0.065 %
◆ Elongation at break	-	1.8 %
◆ Taber abrasion resistance	-	1.8 mgs
◆ Rockwell Hardness	-	98 on 'R' scale

CHEMICAL RESISTANCE

10% Acetic Acid	10% Nitric Acid
25% Ammonium Hydroxide	10% Sulfuric Acid
50% Caustic Soda (Sodium hydroxide)	10% Citric Acid
10% Latic Acid	25% Phosphoric Acid
10% Hydrochloric Acid	50% Saturated Sugar

Xylene, Concentrated bleach, Fruit juices, Beer, Wine, Crude Oil / Gas, Petrol, Saturated Urea, Butamol / Skydrol, White spirit.

* Prolonged contact will affect the flooring . Should start washing the floor only after 3 days of curing from application time. Wash off spillage with water. Regular washing of floors with water is recommended. Good housekeeping such as regular washing of the floors will prolong the life of the floors.

COLOUR RANGE

CF-ScreedHDF is available in different colours like Natural , Brick Red , Green, multi-colour etc. While every effort is made in manufacturing to maintain consistency of colour, exact colour matching between batches cannot be guaranteed.

STORAGE

12 months in original unopened containers. Do not expose to direct sunlight.

TECHNICAL INFORMATION & SERVICES

For additional technical information and on-site demonstration, please contact:
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