

LEADERS IN FLOORING TECHNOLOGIES

BOND-FC-703

SOLVENTLESS CHEMICAL RESISTANCE EPOXY FLOORING SYSTEM

FC-703 is a 100 % solid high performance 2 component self leveling floor, wall and pipe , steel structure coating. And is available in colors also. It provides seamless coating, that is extremely hard wearing and durable, smooth, high gloss finish durable and chemical resistance properties.

EPOXY FLOORING FOR IMPACT, ABRASION,CHEMICAL, CORROSION RESISTANCE, HEAVY DUTY, DUST PROOF, VIBRATION, THERMAL MOVEMENT, ANTI FUNGAL, ANTI MOSS, ANTI BACTERIAL IN PHARMA, FOOD, ELCTRIC, ELECTRONICS, , AUTO, CHEMICAL, TEXTILE, SURGICAL, INSTRUMENTS, DAIRY, ENGINEERING, SUGAR, PAPER, PICKELING,, OPTICAL, METAL, INDUSTRIES, OPERATION THEATER, HOSPITALS, GODOWNS, GARAGES, LABORATORIES, WALKWAYS , SHOPS & MALLS, RAILWAYS, PAINT SHOPS, BATTERY ROOMS, COMPUTER ROOMS, KITCHENS, EXIBITION HALLS, CANTEENS, ELECTROPLATING UNITS,ETC. AND FOR DAM , CANALS, RAILWAY PLATFORM.

CHERECTERISTICS:-

ZERO MAINTAINANCE, EXCELLENT DURABILITY & CHEMICAL RESISTANCE, CHOICE AMOOTH OR ANTI SKID PROPERTIES , EXCELLENT MECHANICAL STRENGTH, DUST PROOF AND EASY TO CLEAN,

SURFACE PREPARATION:-

Clean the surface to be bonded, free of dirt, oil, grease, rust, moisture, loose deposits, wax, paints and damaged materials. The roughen the surface by sanding, grinding and emerging. Surface should be sound and tough. Concrete floor should be cured minimum 28 days. Clean CC surface using diluted 20-25 % phosphoric Acid or muriatic Acid or BOND CLEANER-CLR-01. Neutralize to the acid mix 1 parts household ammonia to 32 parts water by volume and apply on floor , than rinse by water 4 to 5 times . let it to dry for 48 hours before applying FC-701. For wooden clean the floor thoroughly with a strong detergent to remove old soap, oils, and fat, etc. Apply Roughening, grinding if required. Remove all previous coating by sanding.

MIXING:-

1. **PRIMING:-** Mix **BOND PRIMER FLPC-05** Part-A & Part-B in 2:1 pbv and apply on prepared surface by brush, roller, Airless spray, etc..
2. **PUTTY :-** Apply **BOND PUTTY** on priming surface if required.
3. **RE PRIMING:-** Apply re priming on the putty surface.
4. **FINISHED COAT:-** Apply two coat of **COLORLESS OR COLORED** Epoxy on above coat by notched squeegee. Once spread, the material should be rolled with a roller with a nap of 6.35 -9.5 mm to obtain a uniform surface..

Quantity Of The Mix Should Be As Low As Possible To Increase The Usable Life Of The Mix System. Complete curing at R.T. in seven days, post curing at 70-80 oC for a few hrs. is strongly recommended. Heating can be effected by IR lamps, steam or hot water. Post curing enhances the mechanical strength besides ensuring complete curing.

SPECIFICATIONS

PROPERTIES	
Color	Grey, Red, Blue, Green, Yellow, Off White
Total solid %	99 +-1%
Mixing ratio	100:6 by weight / 100:5-5.5 by volume

Freeze Thaw stability		Satisfy
Service Temp.		-20-80oC
Viscosity Mixed		1500 cps
Pot life of mix at R.T.		90 minutes
Recoat Time		4-6 hours
Cure schedule	Foot Traffic	18-72 hrs
	Full Service	48 hrs at 25 oC
	Full Chemical cure	7 Days
Compressive Modules (12.7mm)		281 N/mm
Compression (12.7mm)		58 M/mm' 72 hrs. ASTM 695
Coverage/ kg / Coat may very depends on surface roughness.	Primer coat for 60-80 micron	6-8 Sq. Mtr.
	Putty Coat for 200-250 micron	2-3 Sq. Mtr.
	Finished coat for 160-200 micron	4-6 Sq. mtr.
CHEMICAL RESISTANCE		RESULT
WATER		Excellent
25 % sulphuric Acid		Excellent
50 % sulphuric Acid		Excellent
20 % NaOH		Excellent
Con. HCL		Good
Shelf Life		12 MONTHS
Packing's in Tin & carboys 1.5, 15, 75 kg pack		Part-A is 1, 10 & 50 Kg and Part- B 0.5, 5, 25 kg

NOTE:- Sprinkle Quartz sand or Emery grain before finished coat if required anti skid properties.

The information contain here in is reliable and accurate the best of our knowledge. Technical services will provided for guidance when required. However conditions of uses and methods of application are beyond our control, no warranty is expressed or implied.

ALSO AVAILABLE CONSTRUCTION CHEMICALS FOR REPAIRS, REHABILITATION OF BUILDING, BRIDGE, DAM, CANAL, TUNNEL & MARINE STRUCTURES, ETC.

RESINS	PAINTS	GROUTS	CONCRETE ADMIXTURE	FLOORINGS	WATERPROOFING	ADHESIVE	LACQUERS
EPOXY	EPOXY	CEMENT-POLYMER	MICRO CONCRETE	EPOXY	ACRYLIC COPOLYMER	EPOXY	SOLVENTED
POLYURATHANE	POLYURATHANE	EPOXY	PLASTICIZERS	POLYURATHANE	POLYMER POWDER	ACRYLICS	WATER BASE
ACRYLICS	ANTI CORROSIVE	EXPANSIVE GROUT		NON METTALIC CEMENT	WATERREPPALLET		NC-ACRYLICS

TECHNICAL SERVICES & Technical assistance

Information is available by calling the Mr Bond Technical Service at:

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