

# FloorFORT 100

## HIGHBUILD SOLVENT FREE EPOXY FLOOR COATING

**FLOOR FORT-100** is a two-component solvent free high build epoxy floor coating and it provides concrete floor surface excellent resistance to abrasion and protection against chemical attack. It's a good hard-wearing floor coating at Food processing plants, manufacturing ,hospitals, warehouses, showrooms etc. It can be used for vertical and horizontal applications.

Different grades of slip resistance can be achieved by inclusion of graded aggregate between coats.

### FEATURES

- ▶ Excellent chemical and abrasion resistant
- ▶ Solvent free, no odour during application
- ▶ Seamless and hygienic finish
- ▶ Available in wide range of colors
- ▶ Attractive, glossy finish which can be easily cleaned
- ▶ Can be used with Non-slip aggregate which provides safe foot traffic.



Solid content	100%
Pot life	30 minutes @ 25°C
Working time	90 minutes @ 25°C
Touch day dry	5 hrs @ 25°C
Over coat time	26 hours
Light foot traffic	After 24 hours
Full cure	5 days
Tensile strength	22N/sq.m
Coverage (theoretical)	4.5 sq. m/ ltr/coat @200 micron thickness (2 coats application recommended)
VOC	≤100g/L

**CHEMICAL RESISTANCE: FLOOR FORT -100** has been tested for resistance to a comprehensive range of industrial chemicals. The result below was obtained after constant immersion for 3 months at 20°C and 35°C.

ALKALIS	CONCENTRATION	RESISTANCE
Sodium hydroxide	45%	excellent
Ammonia	10%	excellent

ACIDS	CONCENTRATION	RESISTANCE
Acetic acid	10%	Excellent
Citric acid	10%	Excellent
Hydrochloric acid	30%	excellent
Nitric acid	20%	Good
Sulphuric acid	40%	Excellent

engineered to perform

## APPLICATION PROCEDURE

### Surface Preparation

The substrate (concrete) should be fully dry, clean and sound. Vacuum blasting is preferred. Cracks should be repaired and should allow to cure. Surface irregularities must be ground down or filled out with FLOORFITREL or repair materials from ORGANIX. The substrate should be moisture free. After all preparation has been completed, ensure dust is removed from the surface. This is best achieved using an industrial vacuum.

### Priming

If required, Prime the fully prepared surface with the given primer.

### Mixing

Mix part A (resin) and part B (hardener) separately for 1 minute using a slow speed drill fitted with a paddle. Then add Part B in to Part A and mix well for 3 minutes to get even consistency.

### Coating

Apply using quality brush or short nap roller ensuring surfaces are fully covered. After when the first coat get cured (24hrs), apply the second coat at right angles to the first with minimum thickness of 200 microns each coat.

If Non-slip surface is required by broad casting FLOOR FORT Anti slip grain to FF 100 first coat whilst still wet. After drying the excess aggregate should be vacuum cleaned from the surface.

The top coat can now be applied. Depending on the surface profile, type and density of the FF aggregate used, the top coat may consume more material than the base coat to achieve a fully sealed surface. The top coat must be applied within the maximum over coating time period i.e. 36 hours at 25°C or 24 hours at 40°. Expansion joints in the existing substrate floor must continue through the FloorFort coating. Contact your local BASF representative for advise on ORGANIX SealFlex sealants.

### Cleaning of tools.

Clean all the tools and equipment with solvent based epoxy cleaner immediately after the use.

### PACKING

Available in 20 L and 5 L Pack

### STORAGE:

Store under ware house conditions, in the original unopened packs. Store out of direct sunlight, clear of the ground and on pallets. Protect from rainfall. Avoid excessive compaction and protect from extremes of temperature

Shelf life: 12 months under conditions below 35°C

### HEALTH AND SAFETY

Wear protective clothing, gloves and goggles.

Skin:- Avoid repeated or prolonged contact, if contact occurs ,clean with hand cleaner that removes oil or grease, then clean with soap and water. Eyes :-

Contact could cause irritation. If contact occurs, flush with clean water.

Inhalation:-Can cause dizziness. Remove to fresh air and if breathing difficulty persists, administer oxygen.

