

# FloorFORT ES100

## THREE COMPONENT SOLVENT FREE EPOXY SCREED

**FLOOR FORT-ES 100** is a high performance trowel applied solvent free floor topping with excellent resistant to high mechanical wear and chemical properties. Epoxy Self Smoothing Flooring Screed has been developed typically for areas where optimum chemical resistance combined with decorative effect is required. By using the most up to date in solvent free technology self smoothing system will produce an easily cleaned, non toxic, chemically spill resistant floor with good colour and colour retention. This is a heavy duty industrial flooring.

### ADVANTAGES

- ▶ Superior resistance to abrasion and excellent resistance to the affect of wide range of chemicals
- ▶ High strength and durability
- ▶ Solvent free and non toxic
- ▶ Good griping surface
- ▶ Designed for heavy domestic or light industrial use
- ▶ VOC less than 50 g/L

### APPLICATION FIELD

Commonly used in laboratories, hospitals, chemical factories and garages to produce a decorative performance self leveling floor system. It is an extremely high strength floor topping and ideally suited for heavy manufacturing plants, Hospitals, oil refineries, metal treatment plants, workshops and chemical plants etc.



Compressive strength	74N/mm <sup>2</sup>
Flexural Strength	20N/ mm <sup>2</sup>
Tensile strength	17N/ mm <sup>2</sup>
Touch day dry	7 hrs @ 25°C
Over coat time	24 hours
Colour stability	Excellent for long term
Initial hardness	After 24 hours @ 25°C
Full cure	5 days@ 25°C
Coverage (theoretical)	2-4 kg / m <sup>2</sup> @1000 micron thickness
Pot life	45 minutes
Over coat time	12 to 48 hrs

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

CHEMICALS	CONCENTRATION	RESISTANCE
Sodium Hydroxide	50%	Excellent
Hydrochloric acid	20%	Excellent
Phosphoric acid	50%	excellent
Nitric acid	20%	good
Sulphuric acid	10%	good
Ammonia	10%	good
Hydro carbon	100%	excellent
Lactic Acid	10%	Very good

**APPLICATION**

**Surface Preparation**

The substrate (concrete) should be one month old and fully dry, clean and sound. The surface must be free from dust, oil, curing compound and any foreign material. The substrate should be moisture free.

**Priming**

Prime the fully prepared surface with the given primer.

**Mixing**

Mix part A (resin) and part B (hardener) separately for 3 minutes using a ES 100 speed drill fitted with a paddle. Then slowly add Part C (filler) and mix it well for 3-5 minutes to get even consistency. Apply the ready mix soon after the mixing.

**Application**

The well mixed Floor Fort Screed should be spread to uniform thickness on the primed surface using trowel and smoothen it. Apply at desired thickness( 1.5mm to 50mm possible )depending on requirements.

**Cleaning of Tools**

Clean all the tools and equipment with Organix Solvent immediately after the use.

**PACKING**

Three pack system consisting of "A" "B" and "C", aggregate, resin and hardener. It can be supplied in 10 kg. and 25 kg. packs.

**STORAGE:**

Store under ware house conditions, in the original unopened packs. Shelf life: 12 months under conditions below 45°C.

**HEALTH AND SAFETY**

Flash point 52°C, may irritate to eyes and skin. Avoid breathing fumes, Wear suitable gloves and eye/face protection. Wash hands with water after use.

engineered to perform

