

## Flowtex CR

### Description

A specialised high performance epoxy mortar screed with excellent resistance to acid, alkali and most solvents.

### Uses

Designed for use in high chemical environments such as acid and alkali bund areas, food processing factories, battery charging bays, chemical loading bays and other areas where conventional epoxy systems are unsuitable. Used as a bedding and grouting compound for acid tiles and bricks.

### Benefits

- Extremely good chemical resistance to concentrated solutions of both organic & inorganic acids.
- Extremely good mechanical properties.
- Can be applied to vertical surfaces.
- Can be supplied in basic colours.

### Resistance

Examples of resistance to 30 day immersion in the following solutions: 10% Lactic acid, 10% Acetic acid, 70% + 98% Sulphuric acid, 35% Hydrochloric acid, 50% Sodium Hydroxide, Commercial Sodium Hypochlorite, Trichloroethane, Butyl Cellosolve, Xylene, Ethanol, Sugar solutions.

### Substrate Requirements

Concrete slabs and screeds should have a good wood float finish conforming in evenness and level to the required tolerance, with a minimum compressive strength of 20 MPa, with screeds of a minimum thickness of 40mm.

### Preparation

Chemically clean where necessary to remove any contamination. Mechanically scarify to remove laitance and expose aggregates. Remove all dust.

### Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Pack Size:	12ℓ
N° of Components	2 + Aggregate
Mixing Ratio:	Mix as Supplied
Pot life:	Epoxy / Activator: 35 minutes
Temperature Tolerances:	
Max: laying 30°C	Service 70°C
Min: laying 10°C	Service 0°C
Curing Time:	24 hours for traffic 7 days for complete cure
Mechanical Properties:	
Compressive Strength:	excess of 80mPa
Flexural Strength:	30mPa
Bond Strength:	40Kg/cm <sup>2</sup> (concrete fails)
Cleaner:	W.S.B.C.

### Application

Prime surfaces by applying Flowprime at 3m<sup>2</sup>/ℓ and allow to partially cure to a tack finish. Apply by PVC float Flowtex CR epoxy screed to a nominal thickness of 6mm, allowance being made for expansion joints where necessary. Allow to cure and completely seal by the application of one or more coats of Ivory 338 non slip sealer.

### Specification

Flowtex CR epoxy screed to be laid 6mm thick onto previously prepared and primed surfaces all in accordance with the manufacturer's detailed instructions.