

CRESCRETE ESF is a solvent free non shrink epoxy resin based flooring. This flooring has excellent mechanical and abrasion resistance properties and is resistant to a wide variety of chemicals. This system is designed to provide a heavy duty topping for industrial floors. The flooring can be applied in thickness from 4mm to 6mm in a single lay.

USES

- Workshops, warehouses, garages etc.
- Chemical plants & factories.
- Dairies & food processing plants.
- Heavy engineering industrial floors.
- Car parks with higher anticipated load.
- Levelling rough & damaged substrate.

ADVANTAGES

- Solvent free system
- Excellent adhesion to substrate.
- Excellent abrasion resistance.
- High Mechanical strength.
- Non-slip, non-skid finish possible.
- Good resistance to chemicals.

SURFACE PREPARATION

The substrates must be sound, dry, and free of dust, loose particles, wax, oils, rust, curing compounds. New surface shall be at least 28 days old and the surface moisture content less than 5%. Grit blasting and grinding is recommended for the most effective surface preparation. Surface irregularities and blow holes shall be treated with **CRESPOXY EP**. The surface after carrying out the necessary cleaning shall be vacuumed for removing the dust debris left over after the cleaning process.

Priming: The surface shall be primed with a solvent free epoxy primer (CRESFLOOR EP 100).

MIXING

Mix part A and B separately for 2 minutes using a heavyduty slow speed drill (300-400rpm) fitted with a spiral mixing paddle. Pour Part B (hardener) and Part A (base) into a separate container and mix well for a few minutes. Add Part C (filler) slowly to the mixed base and hardener and continue mixing for further 3–5 minutes until a uniform and homogenous lump free consistency is achieved. As the products are supplied in pre-weighed packs, part mixing is not at all recommended, as the cured product will not achieve its full properties even if there is a small variation in the mixing proportions.



TECHNICAL PROPERTIES

Description	Value	Standard
Specific gravity @25°C	2.0 (±0.05)	ASTM D1475
Pot life @25°C, min	>40	-
Compressive Strength, N/mm ²	>75	ASTM C579
Flexural strength, N/mm ²	>35	ASTM C580
Initial Setting Time @25°C, hr.	6 to 10	-
Set to light foot traffic @25°C	7 days	-
Application Temperature, °C	5 to 35	-

All values given are subject to 5-10% tolerance.

APPLICATION

The epoxy flooring shall be applied immediately after mixing within its working time. Discharge the mixed material from the mixer and place on the floor when the primer is still in a tacky condition. Spread and compact the material with a wooden trowel to get a uniform thickness and complete the application with a steel trowel.

LIMITATIONS

1. Substrate temperatures should be above 5°C and rising.
2. For application in temperatures above 40°C please refer to hot weather condition recommendations.
3. Avoid application if the work area may be subject to the onset of rain or moving water.
4. The product should not be thinned with any type of solvent under any circumstances.

CLEANING

Clean all tools immediately after use with solvent. Hardened materials can be removed mechanically only

COVERAGE

Apply the mixed material @ 1.6 m² /pack with a dry film thickness of 5mm.

PACKING

CRESCRETE ESF available in 16 kg kit.

STORAGE

CRESCRETE ESF must be stored in a covered area, away from direct sunlight and protected from extreme temperature under normal warehouse conditions.

SHELF LIFE

Shelf life of this product is 12 months from the date of manufacturing.

HEALTH AND SAFETY

It is non-hazardous and non-flammable material. Always wear hand gloves, safety shoes and safety goggles while using and handling this product. Avoid contact with skin and eyes. When contact with eyes, wash with plenty of water and seek medical facilities immediately.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.