

CRES®FLOOR SL 2400

Solvent free high build smooth surface epoxy flooring

CRESFLOOR SL 2400 is a four component high performance solvent free self levelling product composed of epoxy resin, hardener and selected silica. **CRESFLOOR SL 2400** is used for thickness from 2 to 4 mm. It has highfilling ability when applied to cement floors. Once cured, it provides a watertight seamless coating with high abrasion, excellent impact, mechanical and chemical resistance.

USES

CRESFLOOR SL 2400 can be used extensively in, but is not limited to the following areas of application:

- Chemical Manufacturing plants
- Car parks and workshops
- Warehouses and industrial floors
- Production assembly areas, pharma plants and laboratories

ADVANTAGES

- Solvent free.
- Provides high level of filling in a single application.
- Excellent chemical resistance.
- High abrasion resistance.
- Smooth, impervious seamless floor, glazed and easy to clean.

SURFACE PREPARATION

Substrates:

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

New floor:

Ensure that substrate should be more than 28 days old and have a moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excess laitance deposits are best removed by light mechanical scabbling, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

Old floor:

A sound, clean substrate is essential to achieve maximum adhesion. As for old concrete floors, ensure that the substrate is, void of oil, grease, laitance and loose friable matter. Oil and grease penetration should be removed by the use of a proprietary chemical degreaser or by hot compressed air treatment. Any damaged areas of surface irregularities should be treated using suitable CRES range products.



TECHNICAL PROPERTIES

Description	Value	Standard
Specific gravity @25°C	1.8 (±0.05)	ASTM D1475
Pot life @25°C, min	>60	ASTM D2471
Surface Dry @25°C, hr	24	-
Full cure @25°C, days	7 days	-
Compressive Strength N/mm ²	>65	ASTM D579
Chemical Resistance	Resistant	ASTM D543

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

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Priming:

Priming is not normally required provided the substrate is sound, untreated and good quality nonporous substrate. If any doubts exist of the quality of the substrate, or if it is porous it should be primed with **CRESFLOOR EP 100**. The primer should be applied by brush or roller on the cleaned surface area.

MIXING

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

For preparation of product, Component A & B should be mixed separately for two minutes with a heavy duty, slow speed drill fitted with a mixing paddle at low number of turns (200-300 RPM) with colour pack. Pour the hardener (Component B) into the base mixture and mix for two to three minutes until a homogeneous mix is obtained. Then slowly add the filler (Part C) into the container and mix thoroughly for a few minutes. It is always recommended to mix a complete kit at a time.

Over mixing must be avoided to minimize air entrainment. Once mixed, the material must be used within its pot life.

APPLICATION

Pour the mixed material onto the prepared surface and spread using a squeegee or notched trowel. Allow to level naturally then use a spiked roller to release entrapped air and assist in spreading the material further to achieve the required thickness.

Allow to cure for minimum 24 hours at 25 °C for light traffic.

CURING

Allow **CRESFLOOR SL 2400** to cure fully for 7 days before exposing to full mechanical, chemical or environmental. The application temperature should be between 5°C to 35 °C.

LIMITATION

- (i) **CRESFLOOR SL 2400** should not be applied at temperatures below +5°C and above +35°C.
- (ii) **CRESFLOOR SL 2400** should not be applied to asphalt, weak or friable concrete, PVC tiles or sheet substrates.
- (iii) Avoid application if the work area may be subject to the on set of rain or moving water.
- (iv) **CRESFLOOR SL 2400** should not be applied onto surfaces likely to suffer from rising dampness or relative humidity >75%.
- (v) The product should not be thinned with any type of solvent under any circumstances.
- (vi) All products should be used within the pot life.
- (vii) Do not part mix under any circumstances.

COVERAGE

Apply the product @ 2 L/m² with a film thickness of 2mm depending on substrate condition.

HOT WEATHER CONDITION

For application above 35°C we recommend adopting the following guidelines:

- (i) Store unmixed materials in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Avoid exposure of mixed & unmixed materials to direct sunlight.
- (iii) Keep equipment that will be in contact with the product cool and away from direct sunlight.
- (iv) Try to eliminate application in during hottest time of the day.

CLEANING

Tools and equipment should be cleaned with suitable solvent immediately after use. Hardened material should be removed mechanically.

STORAGE

CRESFLOOR SL 2400 should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

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MAINTENANCE

As a good maintenance practice and increasing the life of the flooring, a regular cleaning of the floor with a light cleaning agent is suggested. However, steam cleaning should be avoided.

PACKING

CRESFLOOR SL 2400 is supplied in four packs of 27 kg kit.

Component A - Resin

Component B - Hardener

Component C - Filler, Component D - Color pack.

27 kg kit - (26.6 kg Neutral + 0.4 kg colour pot).

SUPPLY

CRESFLOOR EP 100 : 18L kit

CRESCLEAN EC 300 : 20L kit

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

HEALTH AND SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

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.