

CRES®POXY EP is a hand applied, 2 component, solvent free, epoxy designed as a high strength thin section material to apply on cracks, pinholes and irregularities in surfaces. It has a smooth, thixotropic consistency allowing it to be applied both horizontally & vertically from feather edge to a maximum thickness of 10 mm, has excellent adhesion to most substrates and reduces consumption of subsequent coatings. It is supplied in pre weighed packs ready for on site mixing and use, giving consistent properties and performance.

APPLICATION

- Filling pinholes prior to overcoating.
- General reprofiling over large areas, up to 3 mm depth.
- Sealing of surface cracks in preparation for crack injection.

USES

It is typically used prior to the use of other CRES® range flooring & coating products to small areas of chipped or damaged substrate, pin holes and other minor irregularities in areas subject to heavy traffic, impact and chemical exposure such as warehouse floors and industrial applications. It can also be used as a general purpose bedding mortar and adhesive.

SURFACE PREPARATION

Preparation

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

Mechanically prepare substrate to remove laitance, curing compounds and other loose materials to provide a mechanical key for the **CRES®POXY EP**. After preparation, remove dust & debris to ensure a clean surface.

Priming

Priming is not normally required however please ensure the substrate is clean, dry, sound and free from contamination.

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.



TECHNICAL PROPERTIES

Description	Standard	Value
Density	-	1.6 - 1.7 gms/cc
Solids	-	100%
Pot life @ 25°C @ 35°C	-	60 minutes 30 minutes
Time interval between coats @ 25°C @ 35°C	-	4 - 48 hours 16 hours
Initial cure @ 25°C @ 36°C	-	24 hours 16 hours
Full Cure	-	5 - 7 days
Compressive strength @ 7 days	BS 6319 - 2	65 N/mm ²
Chemical resistance	-	Resistant to petrol, oils, salts, diluted acids, alkalines, some solvents, etc.

All values given are subject to 5-10% tolerance

Mechanically mix all the resin components together until a homogenous consistency is achieved. Part mixing 2 : 1 by weight or volume is acceptable for this product, however we recommend mixing full packs to ensure consistency.

Application

Apply the mixed material onto the prepared surface using a scraper, spatula or putty knife ensuring the void is completely filled. It can be applied from feather edge to a maximum thickness of 10 mm.

Curing

Allow a minimum of 24 hours to cure and lightly abrade before over coating.

HOT WEATHER CONDITIONS

For application above 40°C we recommend adopting the following guidelines: Store unmixed materials in a cool preferably air conditioned environment. Avoid exposure of mixed & unmixed materials to direct sunlight. Keep equipment that will be in contact with the product cool and away from direct sunlight. Avoid application during the hottest time of day.

CLEANING

Clean tools and equipment immediately after use with CRES® Products.

LIMITATIONS

Substrate temperatures should be above 5°C and rising. For application in temperatures above 40°C please refer to hot weather condition recommendations. Avoid application if the work area may be subject to the onset of rain or moving water. All products should be used within the pot life. Materials not used within the specified time should be discarded. If the above general application details do not meet with your requirements, please contact Kanz for a project specific method statement.

ESTIMATING

CRES®POXY EP pack size: 7.5 kg. Coverage rate approximately 4 - 5 m² per pack as a 1 mm thick fairing coat All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

STORAGE

CRES®POXY EP has a maximum shelf life of 12 months from the date of manufacture. To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

HEALTH & SAFETY

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes. Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting. Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces. Do not expose products to fire or naked flames under any circumstances. Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

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.