# RENO E742 STRUCTURE

## EPOXY REPAIR KIT FOR FILLING UP CRACKS AND SPLITTING JOINTS

## KEY BENEFITS

- **Efficient regardless of the type of cracks**
- **The repair is final and solid**
- **No stapling of concrete**

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ (A+ A B C)


PART A RESIN

PART B HARDENER

## APPLICATIONS

### DESCRIPTION

RENO E742 STRUCTURE is a two-component solvent-free epoxy resin especially designed for crack bridging of reinforced concrete (from 0.3mm width to wider ones) in soft flooring application.
To be used with sand S409 or GRIP A936 XPRESS.

### DESTINATION

Treatment of fractional joints, sawn shrinkage joints and stabilised cracks of less than 0.8 mm in mm on interior floors before applying one of our self-levelling compounds for the installation of the following coatings:

**Areas of applications :**

- PVC coverings
- Linoleum
- Rubber
- Parquet floors
- Textiles

**Associated floor coverings :**

- Concrete slabs and helicopter surfaced concrete
- Traditional or fluid cement screeds
- Calcium sulphate screeds

## PRODUCT CHARACTERISTICS

| | |
|---|---|
| **Color** | Liquid clear + pale yellow |
| **Composition** | Epoxy resin 2 components solvent free |
| **Storage / Shelf Life*** | 24 months |
| **Specific gravity blend** | 1,04 – 1,08 |
| **Brookfield viscosity blend** | 200 – 400 mPa.s |
| **Mixing ratio by volume** | Part A : 2<br>Part B : 1 |
| **Application temperature** | +10°C to 25°C |
| **Working time**** | 30 – 45 min |
| **Curing time**** | 24h |
| **Coverage** | 1 kg of RENO E742 STRUCTURE per 5 to 7 linear meters |
| **Hardness shore D** | 81/84 |
| **Compressive strength After 7 days cure**** | 82 MPa |
| **Tensile strength After 7 days cure**** | 35 MPa |

*from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost, damp, condensation and dew.
**these times are determined at + 23° C and 50 % relative humidity on normally absorbent substrates

## SUBFLOOR PREPARATION

### APPLICATION CONDITIONS

**Crack bridging:** widen the cracks with a grinder equipped with a concrete disc.
Alternatively, use a triangular scraper.
Remove dust and loose parts with an industrial hoover.
**Treatment of shrinkage joints**: Scrape and remove dust and loose parts from the shrinkage joint with an industrial hoover.

Working temperature: from +10°C to +25°C
Relative humidity: 80%
During application and cure, substrate temperature must always be at least 3°C above the dew point temperature.

### CRACK BRIDGING

Slowly add the hardener into resin (part A + B) while mixing, mix thoroughly for 3 minutes with an electric drill and mixing paddle (speed: not more than 300 rpm in order to avoid air bubbles formation). Apply the mixture immediately.

### CAULKING

Cracks should be cut out in a V-shape using a triangular scraper. Fill them with a pure blend of RENO E742 STRUCTURE or with a fluid mortar of RENO E742 STRUCTURE depending on the opening of the crack. For wider cracks, sink a strip of glass fiber cloth in the surface epoxy resin, and integrate it in the priming coat.

### INJECTION

Clean the crack, glue transparent injection ports on face of cracks every 30 to 50cm.
Inject RENO E742 STRUCTURE (A+B) using a pressure pot or caulking gun. Start injecting from the bottom port at a low pressure; gradually bring the pressure up (from 200g to 5kg/cm$^2$ depending on the type of crack). When the resin starts coming out of the higher port which serves as an air hole; cap the lower port and move on to next, the higher part, until the whole crack is filled.

## COVERAGE

1 kg of RENO E742 STRUCTURE per 5 to 7 linear meters (depends on the opening and depth of the crack)

## CLEANING

Fresh resin can be cleaned with a solvent. Dry resin can only be removed mechanically.

## STORAGE STABILITY

Up to 24 months in the original, unopened containers, stored in a dry place at +10°C and +25°C.

| Code | UC | PCB | PALLET. | GENCOD |
|---|---|---|---|---|
| 30619177 | 5kg | 1 | 50 | 3549211666225 |
| 30619176 | 1kg | 1 | 216 | 3549211666218 |
| 30619280 | 400ml | 8 | 50 | 3549210017318 |

**SAFETY**

**For more details, consult the safety data sheet on** https://bostiksds.thewercs.com/default.aspx



**BOSTIK TECHNICAL ASSISTANCE**

**Please contact your local representative**