

# Syntech Crack EP

## Two-component epoxy resin for floor repairs



Two-component, high-solid, epoxy resin-based filler that can be used with quartz and/or inert fillers to repair cracks in concrete floors.

**CUSTOMS CODE:**

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Transparent / Neutral

**PACKAGING AND DIMENSIONS:** Can 2 kg [A] - Can 1 kg [B] - Kit: 1 Can 2 kg [A] + 1 Can 1 kg [B]

## FEATURES AND BENEFITS

- Good mechanical and abrasion resistance
- Extremely versatile
- Very low emission of volatile substances (VOC)

The times given below are to be considered approximate and may vary depending on the conditions of the substrate and environmental conditions of installation.

Temperature	Walkable	Light Traffic	Heavy Traffic
+15 °C	~ 12 h	~ 24 h	~ 48 h
+20 °C	~ 2 h	~ 6 h	~ 12 h
+30 °C	~ 1 h	~ 4 h	~ 8 h

## FIELDS OF APPLICATION

Repair of crazing or cracks in concrete, restoration of integrity in degraded concrete, repair of breakages and pop-out phenomena in concrete.

## ALLOWED SUPPORTS

Concrete - Calcestruzzo armato

## PREPARATION OF SUPPORTS

Slightly widen the crack with a circular saw to facilitate the penetration of Syntech Crack EP. Before applying the product, vacuum up the dust that has been created. The surface must be clean and free of dust or dirt.



## MODE OF USE

Apply Syntech Crack EP directly on the crack or degraded area until the void is completely saturated. Add quartz directly on the crack and repeat the Syntech Crack EP application operation. Smooth with a spatula and let the product act. Once hardened, proceed to sanding the area of intervention to make the repair uniform.




## APPLICATION METHODS




Apply by hand - Pour out

## TOOL CLEANING

Thinner for resins

## KEY FEATURES

-  Density: 1.05 ± 0.05 kg/l
-  Shelf-life: 12 months
-  Use wearing protective gloves

-  Quick setting product
-  Temperature of use: +15 / +35 °C
-  UV-resistant

## TECHNICAL SPECIFICATIONS

EN 13892-8  
Bonding force **Classe B2**

EN 13501-1  
Reaction to fire **Classe F**

EN 13813  
Corrosion resistance **SR**

Dry residue **99.5 ± 0.5 %**

Brookfield ASTM D 2196  
Viscosity **500 ± 100 mPas**

SHORE D ISO 7619-1  
Hardness **70**

## CONSUMPTION

Approximately 1 kg of Syntech Crack EP can seal 25-30 metres of crack (depending on its width and depth).

## STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Protect from humidity. Store the product at a temperature between +10°C and +30°C.



## PHOTO GALLERY



## WARNINGS AND PRECAUTIONS

- Do not apply on inadequately prepared and primed surfaces
- Do not apply on dusty, weak, unstable and poorly cohesive surfaces
- Do not use to seal dynamic cracks and crazing
- Protect the product from water and atmospheric agents for the first 24 hours after application
- Respect the mixing ratios, consumption and overcoating times indicated
- Do not apply on damp surfaces or those subject to capillary rising damp
- Do not dilute the product with solvents or water
- The coating exposed to direct sunlight may undergo colour variations which, in any case, do not affect its technical performance.
- The use of unsuitable thinners and those different from those indicated may create problems for the product both of an aesthetic nature (colour change, product sedimentation, variation in the degree of gloss, formation of surface haze, etc.) and in terms of technical performance. The use of incorrect thinners may also create problems during the application phase.

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

