

## Syntech RGS

Epoxy adhesive for structural construction joints, brushable



A fluid, medium-viscous epoxy adhesive for the structural casting of joints (new conglomerates on existing structures). After careful mixing, the two-component compound must be applied on the existing concrete by brush or roller, a few minutes before applying the new conglomerate ("wet-on-wet").

**CUSTOMS CODE:** 3907 3000

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Red

**PACKAGING AND DIMENSIONS:** Can 3.3 kg [A] - Can 13.4 kg [A] - Can 1.7 kg [B] - Can 6.6 kg [B] - Kit: 1 Can 3.3 kg [A] + 1 Can 1.7 kg [B] - Kit: 1 Can 13.4 kg [A] + 1 Can 6.6 kg [B]

### OBTAINED CERTIFICATIONS AND REGULATIONS



### FIELDS OF APPLICATION

Construction joints between new and existing concrete, flooring and structures. Sealing and filling of cracks in the concrete (of a magnitude greater than 1 mm).

### ALLOWED SUPPORTS

Concrete - Fiber-cement - Tiles - Floor screed - Asphalt - Rock walls - Steel

### PREPARATION OF SUPPORTS

The application surfaces should be suitably prepared and adequately resistant: free from dust, grease, fouling, crumbling and non-adhering parts, free of detected surface humidity, for floorings, moreover, it may be advisable to carry out preliminary shot peening or milling of adhesive surfaces.

### MODE OF USE

Add component B to component A taking care to remove all the material from the packaging, mix thoroughly with a mixer at a low number of revolutions, until a perfectly homogeneous mixture is obtained; add the required load amount (component C) continue to mix until a homogeneous lump-free mixture is obtained. Apply by brush or roller on the surfaces prepared. Spread, or "cast" on site, the subsequent conglomerate, in the range of application defined by the conditions of adherence of Syntech RGS (before it hardens).




## APPLICATION METHODS

Pour out - Brush - Paint roller - Scrubbing brush


## TOOL CLEANING


Syntech Diluente Epoxy


## KEY FEATURES


 Density: 1.15 ( $\pm 0.05$ ) kg/dm<sup>3</sup>

 Shelf-life: 12 months

 Temperature of use: +10 / +35 °C

 Pot-life: 30 min

 Solvent-free

 Use wearing protective gloves

## TECHNICAL SPECIFICATIONS

Glass transition temperature  $\geq 40$  °C

Reaction to fire **Class E**

*EN 12188*

Compression shear strength at 50°  $\geq 50$  N/mm<sup>2</sup>

Free-phase withdrawal/expansion  $\leq 0.1$  %

*EN 12188*

Compression shear strength at 60°  $\geq 60$  N/mm<sup>2</sup>

*EN 12188*

Adherence to steel  $\geq 12$  N/mm<sup>2</sup>

*EN 12188*

Compression shear strength at 70°  $\geq 70$  N/mm<sup>2</sup>

*UNI 8701/3*

Viscosity **16000  $\pm$  3200 mPa**

*a 20°C*

Complete hardening at 20°C **7 day**

Compressive strength  $\geq 30$  N/mm<sup>2</sup>

*a 20°C*

Touch hardening at 20°C **4-6 h**

Static elastic modulus  $\geq 2000$  N/mm<sup>2</sup>

*10' a 150°C*

Dry residue **68 %**

*EN 12615*

Shear strength  $\geq 6$  N/mm<sup>2</sup>

## CONSUMPTION

Apply from 0.30 to 1,00 kg of Syntech RGS per square metre of surface to be treated.

## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Do not apply in the presence of stagnant water at the surface; do not make the new cast if the product lacks the necessary "stickiness". If, after its application, Syntech RGS should unfortunately harden before having placed the new conglomerate, it is recommended that you do not proceed, since the separation between the two bodies would be very likely! In these cases, it is recommended to apply a new layer of Syntech RGS, above the already hardened one, and proceed normally (as described above).

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.

