

# 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 nonadhering 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).



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## **APPLICATION METHODS**

Pour out - Brush - Paint roller - Scrubbing brush

## **TOOL CLEANING**

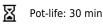
Syntech Diluente Epoxy

# **KEY FEATURES**

KG Density: 1.15 (±0.05) kg/dm<sup>3</sup>

- Shelf-life: 12 months
- ¶, Temperature of use: +10 / +35 °C

# **TECHNICAL SPECIFICATIONS**



Solvent-free



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Use wearing protective gloves

Glass transition temperature ≥ 40 °C

Reaction to fire Class E

EN 12188 Compression shear strength at 50° ≥ 50 N/mm<sup>2</sup>

Free-phase withdrawal/expansion ≤ 0.1 %

EN 12188 Compression shear strength at  $60^{\circ} \ge 60 \text{ N/mm}^2$ EN 12188 Adherence to steel ≥ 12 N/mm<sup>2</sup>

FN 12188 Compression shear strength at 70° ≥ 70 N/mm<sup>2</sup> UNI 8701/3 Viscosity 16000 ±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 ≥ 2000 N/mm<sup>2</sup>

10' a 150°C Dry residue 68 % FN 12615 Shear strength ≥ 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.



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#### 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

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



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