

RASCObond EP-Adhesive Filler

BONDED SYSTEMS

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The RASCObond EP-Adhesive Filler is a 2-component, sag-resistant epoxy resin adhesive with thixotropic properties for bonding the RASCOjoint TPE-Waterbar or other TPE, PVC or Hypalon waterbars. The excellent adhesive properties and high strength of the RASCObond EP-Adhesive Filler enable concrete, natural stone and even metal to be bonded together.

USE

The RASCObond EP-Adhesive Filler is used for bonding the RASCOjoint TPE-Waterbar, sealing wide cracks, fixing adhesive packers, repairing and levelling deformed joint faces and much more. The adhesive filler is also used for the structural bonding of precast concrete units and structural strengthening using externally bonded laminate.

The thixotropic properties of the RASCObond EP-Adhesive Filler enable vertical and underside application.

FEATURES

- high pull-off strength on concrete and steel substrates
- high mechanical strength (after curing)
- shrinkage-free curing
- cures after approx. 5 hours at 23 °C
- can be used on vertical and ceiling surfaces due to thixotropic properties
- good workability



Further product info



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LEGAL NOTICE: The information provided on the use and application of our products in this technical data sheet is based on the present state of our knowledge. The customer shall bear sole responsibility for the proper specification, application and use of the products in line with the intended purpose, project-specific conditions and external actions. The most recent technical data sheet shall apply. The current technical data sheets are available at www.rascor.com. Our General Terms of Business shall form an integral part of this technical data sheet.



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TECHNICAL/PHYSICAL DATA

| | A-component | B-component |
|--|---|---------------------------|
| Supplied form | viscous liquid | viscous liquid |
| Material colour | grey | white |
| Container type | tub | tub |
| Container size | 22,5 kg | 7,5 kg |
| Viscosity (DIN EN ISO 3219) | thixotropic | thixotropic |
| Density (DIN EN ISO 2811) | approx. 1,6 kg/ltr (±0,1) | approx. 1,4 kg/ltr (±0,1) |
| Hazardous goods/ADR | UN 3082 | UN 2327 |
| Mixing ratio | 3 | 1 |
| Pot life | +10 °C = 60 min, +20 °C = 30 min, +30 °C = 15 min | |
| Pull-off strength on concrete * | > 3 N/mm ² (concrete failure) | |
| Pull-off strength on steel * | approx. 18-24 N/mm ² | |
| Compressive strength * | approx. 60-70 N/mm ² | |
| Elastic modulus (subject to compression) | approx. 6,500 N/mm ² | |
| Application temperature | from +5 °C to +30 °C | |
| Storage/shelf life | 12 months in original container, from +5 °C to +25 °C in dry conditions | |

*Measured after 28 days at +23 °C and 50 % RH

SUPPLY/ADDITIVES

| Item no. | Product | Container | Contents |
|---------------|-------------------------------------|-----------|----------|
| 1409.1201.030 | RASCObond EP-Adhesive Filler | set | 30 kg |
| 1109.1201.001 | RASCObond EP-Adhesive Filler A-Comp | tub | 22,5 kg |
| 1109.1202.001 | RASCObond EP-Adhesive Filler B-Comp | tub | 7,5 kg |

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APPLICATION/PREPARATION

The moisture content of the base shall be less than 4%. The concrete should be more than 28 days old. The substrate temperature must be at least +5 °C during application. The base must be dry, free of dust, oil and grease and free of loose particles. Iron and steel must also be free of rust and mill scale. Sandblast beforehand if necessary.

The mixing ratio is 3:1 (A:B in parts by weight). To avoid mixing errors, only mix pre-batched container units from the factory. If smaller quantities are required, the individual components must be weighed using precision scales.

When bonding cementitious materials or metals, it is advisable to coat both contact surfaces with adhesive filler. The components to be bonded are then pressed together and secured until fully cured. To bond the RASCOjoint TPE-Waterbar or other waterbars, the premixed RASCObond EP-Adhesive Filler is applied to the prepared substrate by trowel. For a permanent bond, it is sufficient to apply a 1 - 2 mm thick layer. The RASCOjoint TPE-Waterbar is then inserted and pressed into place without leaving any voids (avoid air entrapment). Depending on the application, the sides of the waterbar are coated with adhesive.

The tools must be cleaned immediately after completion of the work or if work is interrupted for more than 15 minutes.

GENERAL GUIDELINES / SAFETY NOTICE

The viscosity and setting process are heavily dependent on temperature and quantity (inherent heat). It is therefore important that the containers are stored in a cool place and that only as much adhesive is mixed as can be used within the pot life.

The RASCObond EP-Adhesive Filler is physiologically harmless after curing. Any skin contact with the adhesive should be avoided during application. Component A is irritant and hazardous to the environment. Component B is corrosive. Wear suitable protective clothing, protective gloves and safety goggles. Have an eye wash bottle ready. Consult the safety data sheet for detailed information.

In case of accident or if you feel unwell, seek medical advice immediately (show MSDS or label if possible)

