



## TECHNICAL DATA SHEET

# RASCObond EP Adhesive Filler

RASCObond EP Adhesive Filler is a 2-component, epoxy-based adhesive.

### USE

RASCObond EP Adhesive Filler is used for the adhesive fixing of waterbars, structural bonding of precast concrete units and structural strengthening using externally bonded laminate.



### FEATURES

- high pull-off strength on concrete and steel substrates
- thixotropic
- high mechanical strength after curing
- shrinkage-free

## 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 g/cm <sup>3</sup> (±0,1)                                    | approx. 1,4 g/cm <sup>3</sup> (±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 <sup>2</sup> (concrete failure)                                |                                      |
| Pull-off strength on steel *             | approx. 18-24 N/mm <sup>2</sup>   |                                      |
| Compressive strength *                   | approx. 60-70 N/mm <sup>2</sup>   |                                      |
| Elastic modulus (subject to compression) | approx. 6,500 N/mm <sup>2</sup>   |                                      |
| 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 |                                      |

\*) 28-day strength, measured at +23°C and 50% RH

## APPLICATION

Surface dampness shall be less than 4%. The substrate temperature during application shall be at least +5°C. The base shall be dry, free from dust, oil, grease and loose particles. Iron and steel shall also be free from rust and millscale.

It is advisable, when bonding metals or cementitious materials, to coat both contact surfaces with adhesive filler. The components for bonding shall then be pressed together and fixed until the adhesive filler has fully cured. When bonding waterbars, the mixed adhesive filler shall be applied by trowel to the prepared base. The waterbar shall then be positioned and pressed against the base to remove all voids (entrapped air). The waterbar may, depending on the application, be overcoated with adhesive. All equipment shall be cleaned immediately upon completion of the works or whenever operations are interrupted for more than 15 minutes.

## GENERAL GUIDELINE

Viscosity and curing depend heavily on temperature and quantities (process heat). It is therefore important to store containers in cool conditions and to prepare only that amount of adhesive that can be applied within the pot life.

## SAFETY NOTICE

After curing, RASCObond EP Adhesive Filler poses no physiological hazards. All contact between skin and adhesive shall be avoided during application as the B component is caustic. Suitable protective clothing, gloves and goggles shall be worn. An eyewash bottle shall be kept at hand. For further details, please consult the safety data sheet.

## SUPPLY/ADDITIVE

| 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 FillerB-Comp  | tub       | 7,5 kg   |

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](http://www.rascor.com). Our General Terms of Business shall form an integral part of this technical data sheet.

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