



# RASCOtec Multiple-Penetration Unit

## INJECTION SYSTEMS

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The RASCOtec injection system is a comprehensive system consisting of different profile types. This allows it to be used optimally for various technical requirements, such as waterproofing construction joints, crack control joints, expansion joints or penetrations. The profiles of the RASCOtec injection system are always installed in the concrete. Once the concrete has hardened, the RASCOtec injection systems are injected using RASCOflex injection resins. The advantage of using the RASCOtec injection system is that the subsequent injection can be carried out efficiently and in a controlled manner, whereby neighbouring defects are usually sealed automatically. The choice of injection medium should always be based on the functional requirements and the conditions of the application.

The profiles of the RASCOtec injection systems have been specially developed to generate the largest possible opening to the joint, with the fine-pored, open-cell carrier foam in the opening serving as a permanent material depot. Particularly when used with acrylates/gels, such as the injection materials in the RASCOflex AY series, the material depot has a very positive effect on the permanent sealing of any joint openings that may subsequently occur.

### USE

The RASCOtec Multi-Penetration Unit is a profile made of a fine-pored, open-cell foam and is used exclusively for waterproofing pipe bundles (e.g. geothermal probes, etc.) that are routed through the concrete. RASCOtec Multi-Penetration Unit is a customised waterproofing profile that enables several pipes to be waterproofed together with a single injection.

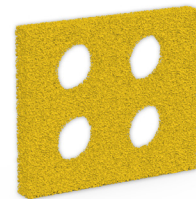
To ensure waterproofing is reliable, the pipe spacing is determined according to a defined calculation scale. Please contact us for more information.

### FEATURES

- easy fixing
- use in conjunction with any material type
- independent of geometry of built-in component
- weather-independent installation

### EXPERT REPORTS

- Conformity certificate, Asendorf Bauchemie Consult GmbH, Wiesbaden, Germany



Further product info



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**rascor**

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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

Size	thickness 60 mm (fixed) length and width as required
Colour	yellowish
Supplied form	solid
Chemical base	polyester
Hazardous goods/ADR	none
Storage/shelf life	unlimited

## SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1102.1008.001	RASCOtec Multiple-Penetration Unit	built to order	
1190.0101.001	RASCOfix Cable Tie 20 cm	bag	100 pcs
1190.0102.001	RASCOfix Cable Tie 37 cm	bag	100 pcs
1190.0103.001	RASCOfix Cable Tie 78 cm	bag	100 pcs
1190.0501.001	RASCOfix Concrete Adhesive Tape	roll	50 m
1205.0302.001	Nozzle hose 18 mm	roll	50 m



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### APPLICATION/PREPARATION

Multiple-penetration units are purpose-made to accommodate the specific number and diameters of the penetrations. The foam block shall be incorporated at the appropriate position in the formwork and cast in. The penetrations shall be waterproofed by grouting the artificially formed voids after the concrete has hardened. Grouting may be performed either by drilling into the multiple penetration unit or by use of special connector hoses incorporated when fixing the foam block. The lowest possible pressure shall be used for grouting!

### GENERAL GUIDELINES / SAFETY NOTICE

The number and diameters of the cut-outs shall be precisely specified. Any changes shall be agreed with RASCOR in advance. The concrete shall be given time to achieve adequate strength prior to grouting. For elements up to 40 cm thick, the multiple-penetration unit shall be fixed in the middle of the element. For elements over 40 cm thick, the multiple-penetration unit shall be fixed at a depth of 20 cm from the later grouting side. The compressive strength of the penetrating components shall be checked for the particular load case.

No special safety instructions are required