

RASCOtec Expansion Joint INJECTIONSYSTEMS

INJECTIONSYSTEMS

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 expansion joint is a combination of two injection channels and a special carrier foam that has been developed for the flexible waterproofing of expansion joints. The standard profile is suitable for expansion joints up to a joint width of 20 mm and allows movements of up to 15 %. The RASCOtec expansion joint is used both in new buildings and in extensions to existing buildings. We recommend the use of RASCOflex AY108 in combination with RASCOflex AY-QV100 (swelling enhancer) for filling the RASCOtec expansion joint.

FEATURES

- easy fixing
- may be used in conjunction with dowel bars
- may be worked as wood
- weldable
- uninterrupted installation of the profile elements (no sector formation!)
- can be used regardless of weather conditions
- U-profiles made from partially recycled, environmentally friendly HDPE

EXPERT REPORTS

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



Further product info



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

	Channel	Foam strip
Size	length 200 cm width 30 mm height 20 mm	length 200 cm width 35 mm height 80 mm
Colour	black / yellow	yellowish
Supplied form	solid	solid
Chemical base	polyethylene (HDPE)	polyester
Hazardous goods/ADR	none	none
Storage/shelf life	unlimited	unlimited

SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1102.1005.001	RASCOtec Expansion Joint	piece	2 m
1190.0303.002	RASCOfix Nail Plug 6/60	bag	1000 pcs
1190.0302.001	RASCOfix Nail Plug 6/80	box	200 pcs
1190.0501.001	RASCOfix Concrete Adhesive Tape	roll	50 m
1109.2101.001	RASCObond Fixing Adhesive	cartridge	290 ml



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APPLICATION

The expansion joint unit shall be fixed by nail plugs through the predrilled holes to that concrete element cast first. Installation always takes place on the joint surface of the existing concrete element and protrudes approx. 15 mm into the second, future concrete element. Expansion joint units shall normally be fixed approx. 5-6 cm behind/below the concrete face. To prevent material loss during later grouting, the channel/concrete junction shall be silicone-sealed. Polystyrene board filler shall be cut to size and fixed in the expansion joint on either side of the expansion joint unit. Extruded polystyrene shall be used on the grouting side to obtain a clean edge. The polystyrene board on the grouting side shall be removed prior to grouting.

GENERAL GUIDELINES / SAFETY NOTICE

The behaviour/requirements of the relevant expansion joints shall be clarified or calculated prior to fixing. The specification of the expansion joint unit size and necessary procedure shall depend on these clarifications. RASCOR shall be consulted in all cases where the joint movement may exceed the permissible values. After being filled with flexible resin grout, the expansion joint shall be capped with a RASCOjoint CD Gasket.