



RASCOtec Injection hose C6-11

INJECTION SYSTEMS



Designation: RASCOtec Injection hose C6-11,
int. ø 6 mm/ext. ø 11 mm, 50 m roll

Article number: 1102.2101.001

Accessories:	1102.9121.001	RASCOtec Injection box AX-C6
	1102.2902.001	Hose connector Snap-In 12 mm
	1102.9211.001	Fabric hose PVC transparent
	1102.9211.002	Fabric hose PVC red
	1102.2903.001	Clamp 13 mm
	1350.8111.001	Injection nipple M8



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1. General

The RASCOtec Injection hose C6-11 is a very economical and effective injection system made of flexible, stable PVC. The slightly conical, slotted openings on four sides ensure easy discharge of the injection material.

1.1 Use

The RASCOtec injection hose C6-11 is suitable for preventive waterproofing of construction joints. It is placed in the middle of the construction joint (or according to instructions) on the existing structure. The injection hose provides a hollow space in the concrete, which is filled under pressure with the necessary injection material for the final waterproofing. The injection hose can also be mounted in an easy way on any waterstop with specially designed clips. This way, every waterstop becomes injectable.

Injection also automatically grouts defects/cracks in the vicinity of the joint. However, this is only possible if the RASCOtec injection hoses are not encased (e.g. in mortar or similar).

1.2 Features

- re-injectable if the system is vacuumized after injection (not possible with epoxy or polyurethane materials)
- injection possible even years after installation
- prevents penetration of cement paste
- resistant material
- time-saving installation
- 28 outlet openings over a length of 10 cm

1.3 Ground

Cementitious surfaces must be **at least 24 hours old** for the installation of the RASCOtec injection hose C6-11 (longer at cold temperatures) in order to ensure a good hold of the fastening.

The surface must be **swept clean** and free of loose parts. Further measures such as roughening, removing cement skin, etc. are not necessary.

2. Safety

Hearing protection must be worn during laying/drilling work (especially in closed rooms). Safety goggles are also required for overhead work.



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3. Accessories

RASCOtec Injection box AX-C6
Art.Nr. 1102.9121.001



Fabric hose PVC, transparent
Art.Nr. 1102.9211.001



Hose connector Snap-In 12 mm
Art.Nr. 1102.2902.001



Fabric hose PVC, red
Art.Nr. 1102.9211.002



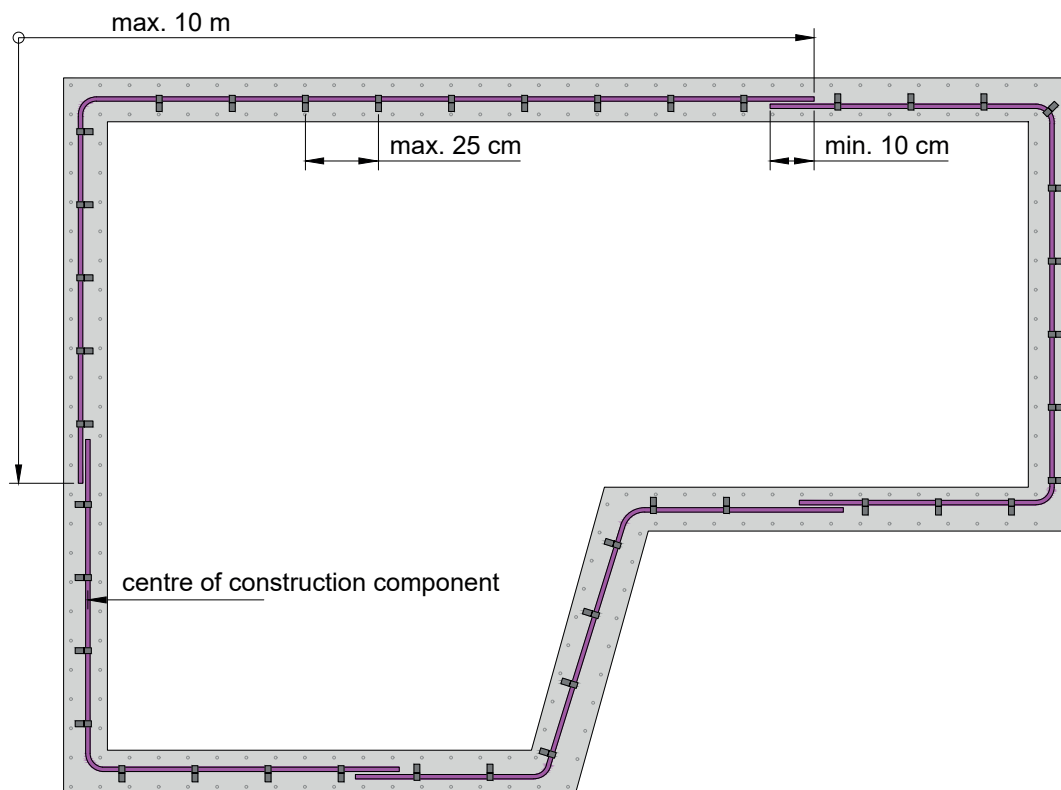
Clamp 13 mm
Art.Nr. 1102.2903.001



Injection nipple M8, 60mm
Art.Nr. 1350.8111.001



3.1 Installation diagram



The injection hose is inserted **in the centre of the construction component**.

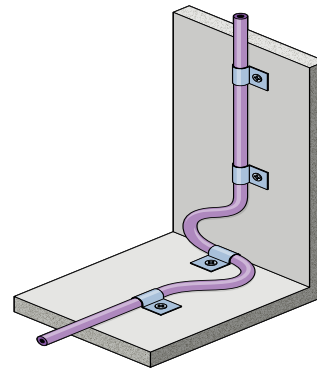
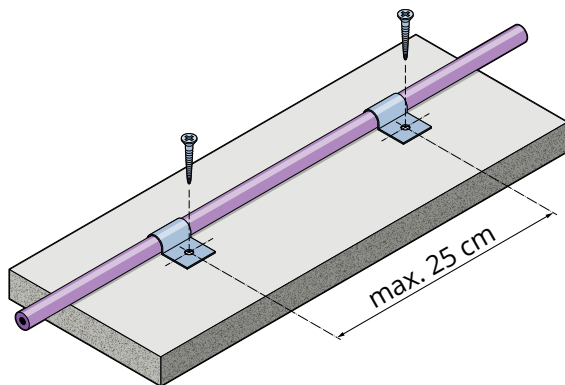


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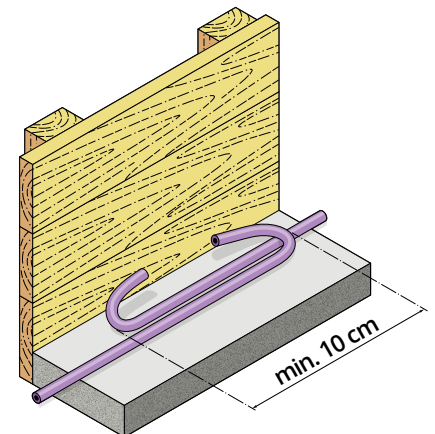
3.2 Mounting

The injection hose must be fixed to the structure with clamps at intervals of max. 25 cm. The clamps can be fixed with a nail gun or through pre-drilled holes with dowels. For corner formations that go from the horizontal to the vertical, the hose must wind and be fastened according to the sketch.



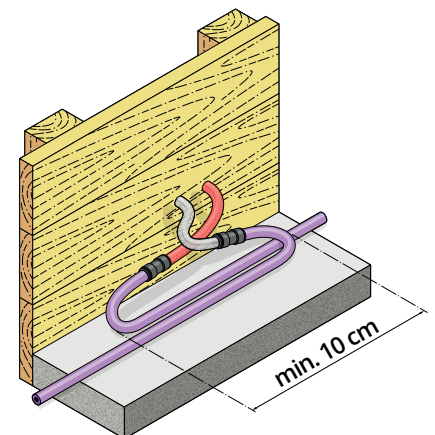
3.3 Connections / Impacts

Within an injection section, the hoses are connected with a hose connector (Snap-In connector). At the end of an injection section, the injection hoses must be laid with an overlap of min. 10 cm. Each end also functions as an injection point.



3.4 Ends

An extension hose (fabric hose) is attached to the end of each injection section using a hose connector (Snap-In, black). It is recommended to always use two different coloured hoses to avoid possible mistakes (e.g. transparent hose to the right, red hose to the left).





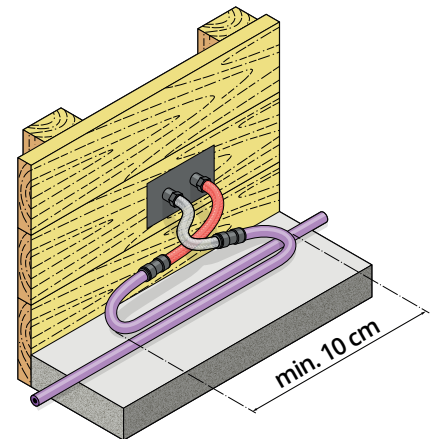
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4. Grouting points

Grouting is carried out via the RASCOtec injection box AX-C6. To mount the injection box, an opening must be made in the formwork above the hose ends, which allows access from the packer to the injection box, but is small enough to allow the injection box to be fixed to the side. Alternatively, 2 holes can be drilled.

Then remove the red protective caps from the injection side openings and nail/screw on the injection box and mount the attachment hoses to the ends provided.



4.1 Grouting

Grouting is carried out via two Injection nipples M8. These are screwed into the openings provided in the RASCOtec Injection box AX-C6.

The grouting machine is connected to the conical head of the injection nipple and the grouting can begin. The best results are achieved with constant but low pressure. RASCOR recommends a concrete age of >28 days at the time of injection.