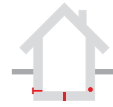


Special Construction Products

WEBAC® Injection Tubes



- ▶ WEBAC® Injection Tubes in combination with injection resins are a flexible system for sealing construction joints in concrete construction.

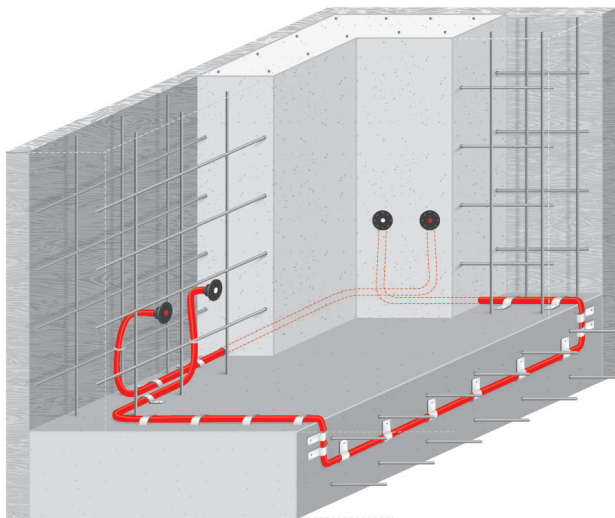
Range of application

- Sealing of construction joints in concrete construction (National Test Certificate)
- Structural, elastic or bonding installation of concrete building structures
- Additional sealing of joint tapes or joint plates

Properties

- Easy and quick installation at all levels and angles
- Minimum injection resin consumption due to optimal tube dimensions

Example



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▶ Technical Information

All the data indicated in this technical data sheet and any related information provided by our employees are of an advisory nature representing our current state of knowledge and in no way binding. As the exact chemical, technical and physical conditions of the actual application are beyond WEBAC's control, this information does not preclude examination of the products and/or procedures for the intended application and surface by the user. WEBAC is thus unable to guarantee results. The user is fully responsible for the observation of existing regulations and conditions when using the products.
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Special Construction Products

WEBAC® Injection Tubes

WEBAC® Injection Tube AB



Perforated plastic tube

Ø internal: 6 mm, Ø external: 12 mm

National Test Certificate in combination with WEBAC® 1403P and WEBAC® 1405

WEBAC® Injection Tube Type 2



Perforated tube with double fabric membrane

Ø internal: 6 mm, Ø external: 12 mm

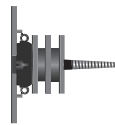
National Test Certificate in combination with WEBAC® 1405

Accessories

Injection- and ventilation adapter with sealing cap



Shuttering packer K (with HP nipple and plug)



Tube connector



Cone screw plug



Clamps without hole/with hole



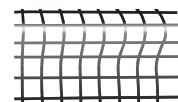
Plug-in clamp



Clamp exposed or close-lying



Fastening grid



Thumb rule for material consumption

Tube and other accessories
(referring to 10 linear meters)

| | |
|--|--------------------------|
| WEBAC® Injection Tube | 10 m |
| Injection- and ventilation adapter cone screw plugs sealing caps or shuttering packers K (complete) | 2 pcs 2 pcs |
| Clamps without hole/with hole additionally nails or screws or plug-in clamps or fastening grid | 50 pcs 67 pcs 10 m |
| Injection resin (reference values only): Filling of tube volume Injection | ≈ 0.2 kg ≈ 1–3 kg |

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Special Construction Products

WEBAC® Injection Tubes

🌀 Installation

Cut **WEBAC® Injection Tube** to the required length depending on the actual structural conditions. The maximum length is 10 m per installation section (tube section). Preferably, install the injection tube centrally in the building component (Ill. 1); in case of very high wall thicknesses ($d > 60$ cm), install the tube at a distance of approx. 25 cm from the waterside (for tube installation in corners, see Ill. 2).

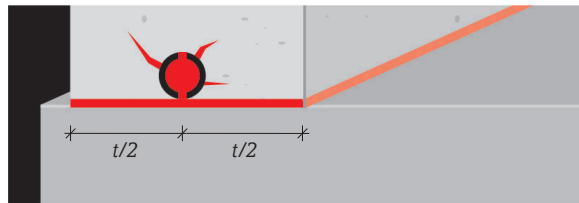
Fasten **WEBAC® Injection Tube** by means of clamps at intervals of at least 20 cm (at least 15 cm when using plug-in clamps) or fastening grid such that it is in full contact with the substrate and is secured against shifting or floating during concreting. The surface to be concreted must be free of loose and separative particles such as wood, sand, pebble, etc. (Ill. 3).

Either plug end pieces (with sealing cap) onto the tube ends or fasten the tube with shuttering packers K. The shuttering packer K must lie closely against the shuttering and be fastened such that it will not shift during concreting (Ill. 4). Always use end pieces if the injection is carried out immediately when the concrete has cured (before putting into place any screed floors) and if it is possible to conduct the end piece through or underneath the shuttering. Always use shuttering packers if the injection takes place at a later point of time and provide that they can be fastened to a wooden shuttering. Subsequent injection circles must overlap (Ill. 5).

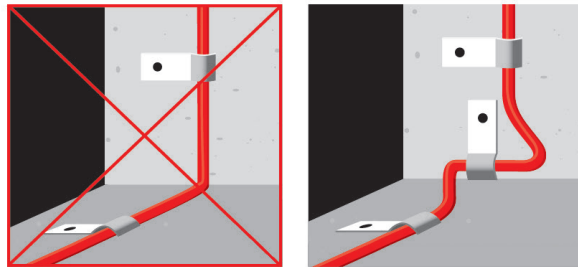
Finally close the tube ends by means of a cone screw plug, a stopper or similar, to avoid soiling during concreting.

Make a drawing of the positions of the injection tubes and the end pieces. Injection tubes must be protected from mechanical damage up to the actual injection.

Installation and injection records must be prepared. The notes in the DBV bulletin "Injection tube systems and swellable inserts for construction joints" must be observed.



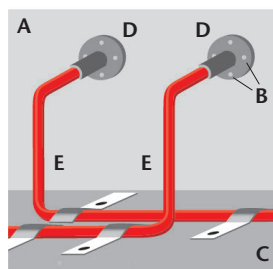
Ill. 1: $t/2 > 5$ cm



Ill. 2

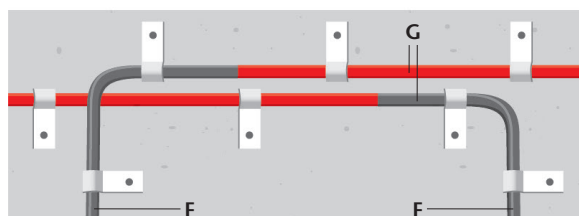


Ill. 3



- A – Shuttering
- B – Nail
- C – Concrete floor
- D – Shuttering packers
- E – Injection tube

Ill. 4



Ill. 5

- F – Injection/ventilation end
- G – Injection tube

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Special Construction Products

WEBAC® Injection Tubes

Injection

With injection and venting ends

We recommend cutting off the injection and venting ends flush with the component to ensure that the conical plug screws are held securely.

Screw the cone screw plugs into both end pieces of the grouting section, provide one cone screw with a nipple, leave the other one open (venting).

Fill the injection section with injection resin via the cone screw plug with nipple until injection resin emerges at the associated hose end (venting of the hose). Now provide the other conical screw plug with a nipple.

With formwork packer K

Remove the sealing caps of the formwork packers K and screw a HD nipple into the formwork packers K of an injection section.

Fill the injection section with injection resin via formwork packer K with screwed-in nipple until injection resin emerges at the associated hose end (venting of the hose). Now fit the other formwork packer K with a nipple.

Application

Inject resin into the injection tube using a suitable injection pump (**WEBAC® 1C pump**) at high pressure, starting at 20 bar (ensuring that the resin reaches even the finest crack ramifications). Better results are achieved at constantly low pressure than at high pressure. The injection pressure should not exceed 80 bar.

Caution: hand pumps can also generate considerably high pressure!

Due to the geometry of its openings **WEBAC® Injection Tube** only requires a very low injection pressure. Carry out one or preferably two secondary injections within the workable life of the injection resin: the higher the quantity of injected material, the higher the quality of the sealing system.

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Product data

| | |
|----------------|----------------------------------|
| Packing | Unit 100 m / roll |
| Storage | • Prevent from mechanical stress |

Test certificates

WEBAC® Injection Tube AB:

- National Test Certificate in combination with **WEBAC® 1403P**, **WEBAC® 1405**

WEBAC® Injection Tube Type 2:

- National Test Certificate in combination with **WEBAC® 1405**

Occupational safety/waste disposal

► Downloads on webac-grouts.com



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downloads](http://webac-grouts.com/downloads)

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