

## MASTERTUBE injection hose for sealing construction joints



High demands are placed on the technology used to seal concrete construction joints. The **MASTERTUBE injection hose** ensures reliable and permanent sealing of horizontal and vertical concrete construction joints against pressurised and non-pressurised water.



MASTERTUBE injection hose

The **MASTERTUBE injection hose** comprises a perforated inner PVC plastic hose with a braided sheath made of monofilament mesh, which protects the hose against ingress of cement slurry and also mechanical damage.

The injection hose can be implemented as both a primary and a secondary seal.

The form and structure of the hose profile ensure highly reliable and uniform filling of the concrete construction joints with a suitable injection agent to provide permanent and reliable sealing against fluids and gases.

The **MASTERTUBE injection hose** is ideal for single injection with PUR resins and for multiple injection with acrylates.

**Injection hose sections of 15 m with polyurethane resin.**

### Technical specifications:

Article number:	030050
Chemical basis:	PVC inner core Sheath of monofilament mesh
Colour:	red / yellow
Outside diameter:	Approx. 10 mm

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Inside diameter:	Approx. 5 mm
Outlet openings:	Slotted with valve function
Weight:	Approx. 0.08 kg/m
Reel weight:	Approx. 10.00 kg
Application temperature:	Depending on injection agent, approx. + 6°C to +40°C
Test certificate / approvals:	General Building Supervisory Test Certificate (AbP) MFPA Leipzig No.: P-SAC 02 / 5.1 / 10-369
Pressure water-tightness:	Up to max. 2 bar (20 m water column)
Suitable for zones with frequently varying water levels:	Yes
Corresponds to:	Utility class A for load classes 1 and 2 in accordance with the WU (water impermeability) guideline
Pack:	1 reel of 100 m
Storage:	Store in undamaged and unopened original packaging in a dry place out of direct sunlight.
Disposal:	Can be disposed of at municipal waste landfill sites, taking into account the local waste disposal regulations.

## Application:

A typical application of the **MASTERTUBE injection hose** is the sealing of construction joints in in-situ concrete structures at ground water level.

Installed in concrete construction joints for the application of a suitable injection agent, it provides a permanent and reliable seal.

Thanks to our wide range of accessories in the assembly and injection sector, the **MASTERTUBE injection hose** offers users simple and system-compliant application.

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## Installation:



The product is supplied on a 100 m reel.  
Bind the hose with filament tape and use a suitably sharp tool to cut the hose to the required length.  
Recommended injection circuits: 8 m in length.  
Injection hose sections of 15 m with polyurethane resin.



After the hose has been cut to length, screw the respective connecting pieces fully into the hose (as far as they will go) - the image shows our fastening packers.



Place the hose centrally in the construction joint, within the reinforcement.  
The surface of the construction joint must be clean, level and free of burrs, defects and loose particles of dirt.



The hose can be fastened in place with metal clips for nailing (manual or nail gun).  
The distance between the fastening clips must not exceed 15 cm

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Alternatively, the hose can be fastened in place with plastic clips, either set in the fresh concrete or subsequently hammered into an 8 mm drill hole.

The distance between the fastening clips must not exceed 15 cm.

The hose must be in continuous contact with the concrete and must not be allowed to float.



Successive injection hose sections must overlap by at least 20 cm in order to ensure continuous injection of the joint.



All changes in direction must be implemented with a sufficiently wide bending radius in order not to damage the hose/restrict the overall injection flow.

The minimum radius is 5 cm.

The injection and ventilation ends can be kept in storage boxes, or alternatively the hose end can be attached to the formwork itself using fastening packers. The storage boxes or fastening packers must be arranged so they are easily accessible in the event of subsequent injection procedures (take high floor structures into consideration).

Once the concrete has cured, the resin can be injected via the fastening packers or the injection end pieces.

## Accessories:

See our product range

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## Safety:

The **MASTERTUBE injection hose** does not contain any hazardous substances and poses no problems whatsoever in terms of handling and application. To the best of our knowledge, it contains no substances that are harmful to groundwater or could trigger health problems or allergic reactions in the installer.

Nonetheless, we recommend that an appropriate level of hygiene is observed during application and that hands are washed as a basic rule before meals.

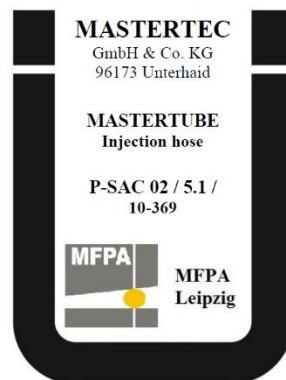
## Basic principles:

All dimensions and information in this data sheet reflect the results of the laboratory tests that have been carried out.

Deviations from the values determined by us under laboratory conditions are possible due to environmental and operating conditions beyond our control.

The data in this data sheet only applies for the product delivered by us.

The product data corresponds only to the specifications in Germany. Possible country-specific deviations are not taken into account here.



## Disclaimer:

The technical information reflects our current knowledge of the MASTERTUBE injection hose. It is intended only as information for users. As we do not know the envisaged applications and installation conditions, it is the responsibility of the user to carefully check that the product is fit for purpose. Due to the different components at the installation site and the in-situ working conditions, MASTERTEC cannot provide any guarantee whatsoever for the result of the work. Claims arising from any legal relationship can only be recognised in the event of wilful intent or gross negligence, irrespective of the statements made here or advice provided verbally. In this case the user must prove that he has provided MASTERTEC in writing with all the information required to correctly assess the installation situation in good time. Subject to necessary product specifications or further developments. By providing this information MASTERTEC does not intend to infringe third-party rights. The latest data sheet in each case applies. Our corresponding terms and conditions of sale and delivery apply.

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