



# MASTERTEC

SPECIAL ARTICLES FOR REINFORCED CONCRETE CONSTRUCTION



# INJECTION HOSES CONSTRUCTION CHEMISTRY

## PRODUCT RANGE

**PRODUCT GROUP 3**

# 2024/2025



# INJECTION HOSES CONSTRUCTION CHEMISTRY



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injection hose system**  
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RED/YELLOW  
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# MASTERTUBE injection hose systems



## Injection hoses

Art.Gr.  
**300**

Art. no.	Description	PU	Secondary packaging	Weight
<b>030400</b>	<b>MASTERTUBE YELLOW</b> round, size: 6/12 mm, PVC injection hose	1 roll of 100 m	1 pallet = 60 rolls	10.25 kg per roll
<b>030050</b>	<b>MASTERTUBE RED/YELLOW</b> round, size: 6/12 mm, red/yellow Injection hose with woven jacket	1 roll of 100 m	1 pallet = 50 rolls	10.35 kg per roll

- Very high-pressure water test
- For injection with polyurethane resin
- For multiple injection with acrylate
- Hose sections up to 15 m with polyurethane resin



Art. no. 030400



Art. no. 030050

## **NEW!** MASTERTUBE YELLOW installation set

Art.Gr.  
**301**

Art. no.	Description	PU	Weight/set
<b>030055</b>	<b>MASTERTUBE YELLOW installation set</b> 10 m MASTERTUBE YELLOW injection hose 100 plastic fastening clips, type B 2 fastening packers (1 x red, 1 x white), including 2 nipples 2 hose connectors	1 carton = 1 set	1.60 kg

## MASTERTUBE RED/YELLOW installation set

Art.Gr.  
**301**

Art. no.	Description	PU	Weight/set
<b>030052</b>	<b>MASTERTUBE RED/YELLOW installation set</b> 40 m MASTERTUBE RED/YELLOW injection hose 20 fastening packers, including nipples 300 plastic fastening clips, type B 10 hose connectors 1 roll of filament tape	1 carton = 1 set	6.10 kg



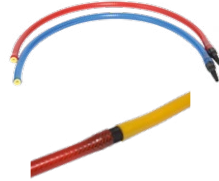












## Injection hose and accessories

Art. no.	Description	PU	Secondary packaging	Weight per pc.	
030060	<b>Fastening packer, without nipple,</b> for fastening of injection hose to the formwork, Colour of packer: black, 10 red plugs, 10 white plugs, for resin injection	1 bag of 20 pcs.	1 carton = 25 bags	0.50 kg per bag	
030063	<b>Nipples for fastening packers</b>	1 bag of 20 pcs.		0.10 kg per bag	
030362	<b>Plastic foam for fastening packer</b> Diameter 35 mm, Thickness 20 mm, self-adhesive, 10 pcs. white, 10 pcs. anthracite	1 bag of 20 pcs.		0.04 kg per bag	
030065	<b>Fixing spider</b> for fixing the fastening packer to the reinforcement	1 pc.		0.08 kg	
030075	<b>Plastic fastening clip type A</b> to be pressed into the fresh concrete, distance between clips: 15 cm	1 bag of 100 pcs.	1 sack = 25 bags	0.29 kg per bag	
030070	<b>Plastic fastening clip type B</b> for pressing into the fresh concrete or into Ø 8 mm bore holes, distance between clips: 15 cm	1 bag of 100 pcs.	1 sack = 25 bags	0.29 kg per bag	
030080	<b>Metal clip with pre-fitted nail</b> for all common nailguns, for firing and nailing, distance between clips: 15 cm	1 carton of 100 pcs.		1.75 kg per carton	
030081	<b>Metal clip without nail</b>	1 carton of 100 pcs.		1.40 kg per carton	
030083	<b>Nail plug 5 x 40 mm</b> borehole Ø 5 mm	1 carton of 200 pcs.		0.63 kg per carton	
030072	<b>Fastening grid for MASTERTUBE</b> 1 carton = 25 m (25 grids of 1 m)	1 carton		1.65 kg per carton	
030082	<b>MASTERTUBE joint tape clamp</b>	1 bag of 100 pcs.		0.60 kg per bag	

## Injection hose and accessories

Art. no.	Description	PU	Weight per pc.	
030100	<b>Hose connector</b> for hose extension and connection of oddments	1 bag of 10 pcs.	0.03 kg per bag	
030102 030104	<b>Ventilation hose</b> Fabric hose blue-transparent round, size: 5/11 mm red-transparent round, size 5/11 mm	1 roll of 50 m	5.50 kg 5.50 kg per roll	
030112 030114	<b>Injection end pieces</b> including sealing plug and hose connector, length 50 cm blue-transparent round 5/11 mm red-transparent round 5/11 mm	1 bag of 10 pcs. 1 bag of 10 pcs.	0.60 kg per bag 0.60 kg per bag	
030096	<b>Sealing plugs</b> for injection end pieces and ventilation hose	1 bag of 20 pcs.	0.01 kg per bag	
030350	<b>Storage box for ventilation hose</b>	1 bag of 10 pcs.	0.73 kg per bag	
030140	<b>Hand-lever press 500 ccm</b> for resin injection	1 pc.	1.05 kg	
030150	<b>Reinforced hose L 300 mm</b> incl. gripping head	1 pc.	0.09 kg	
030160	<b>Gripping head</b>	1 pc.	0.03 kg	
030165	<b>Manometer 400 bar with T piece</b> incl. connecting tube and adapter	1 pc.	0.28 kg	
030130	<b>Injection packer, including nipple</b> for injection via ventilation hose or injection hose	1 bag of 10 pcs.	0.13 kg per bag	
030090	<b>Filament tape</b> roll width: 25 mm, roll length: 50 m to safeguard the hose ends	1 carton of 36 rolls	0.22 kg per roll	

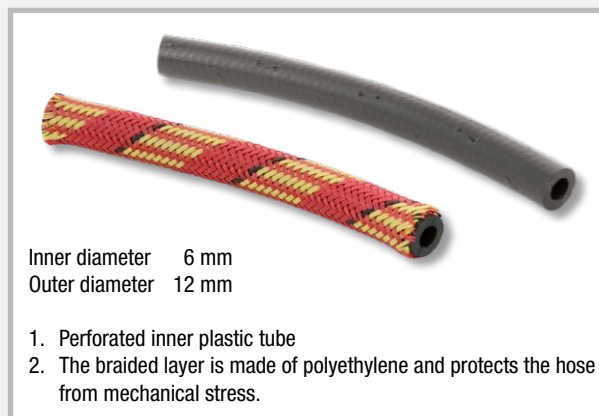
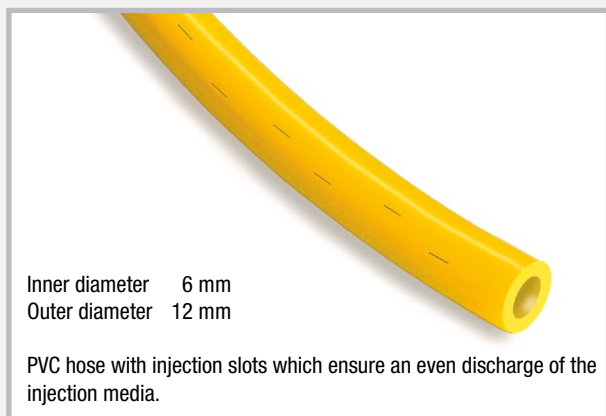
# MASTERTUBE injection hose systems

## Two systems with 100% reliability

The MASTERTUBE YELLOW and MASTERTUBE RED/YELLOW injection hoses make construction joints watertight. The form and structure of the hose profiles ensure a particularly secure and even filling of shrinkage gaps and damaged spots.



Both systems are also available as an installation set.



	MASTERTUBE YELLOW	MASTERTUBE RED/YELLOW
Very high water pressure tests	50 m water column	50 m water column
For injection with polyurethane resin	tested	tested
For multiple injection with acrylate	tested	tested
Additional 15 m circulation with polyurethane resin	tested	tested
Even discharge of injection material	tested	tested
No sintering during concreting	tested	tested
Suitable for zones with frequently varying water levels	tested	tested
All-weather installation	-10°C to + 60°C	-10°C to + 60°C
Extremely straightforward installation	Used on building sites for more than 10 years	Used on building sites for more than 20 years
Accessories	Comprehensive system	Comprehensive system

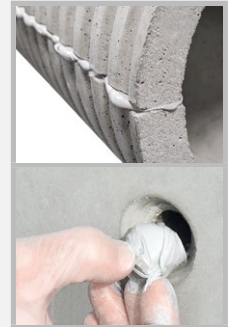


# PROTECT resin system

Injection resins, adhesives and cleaning agents for injection of injection hoses and injection packers and pressure water-tight bonding of fibre cement plugs.

## Universal concrete adhesive

### PROTECT Easy 1K



**Single-component polymer-based concrete adhesive**

For water-tight bonding of all fibre cement distance tubes and fibre cement lining pipes.

Processing takes approx. 20 min. at +23°C;

**Resistant to all normal uncontaminated groundwater.**

Art.Gr. 308

Art. no.	Description	PU	Secondary packaging	Weight/aluminium bag
040030	<b>PROTECT Easy 1K</b> in aluminium bag 800 g	1 aluminium bag	1 carton = 3 aluminium bags  1 outer box = 10 cartons	0.80 kg

## PROTECT BK 2K

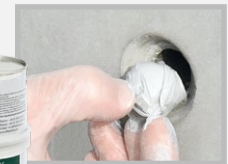


**Solvent-free epoxy-based concrete adhesive**

For water-impermeable bonding and non-positive connection of concrete components.  
Processing time approx. 60 min. at +20°C

**Resistances of PROTECT BK once cured:**

Diluted acids, mineral oil, lubricants and fuels, salt water, waste water, large number of alkalis and solvents, approved for use in contact with drinking water



Art.Gr. 308

Art. no.	Description	PU	Secondary packaging	Weight
040100	<b>PROTECT BK 2K</b> for pressure water-tight sealing of fibre cement distance tubes.	1 kg combination can: (0.5 kg component A + 0.5 kg component B)	1 carton = 10 cans  1 pallet = 28 cartons	1.20 kg per can

## PROTECT Clean

**Cleaning agent**

For cleaning of polyurethane and epoxy resin prior to curing.



Art.Gr. 303

Art. no.	Description	PU	Secondary packaging	Weight
040045	<b>PROTECT Clean</b>	1 can 1 l	1 carton = 12 cans	0.96 kg/can
040040	<b>PROTECT Clean</b>	1 canister 10 l	1 canister	9.45 kg/canister



# MC-Injekt 2300 top

## Polyurethane resin for hose and crack injection

CE marking; low viscosity and provides permanently elastic seal;  
Processing time of approx. 35 min. at +20°C;



Art.Gr.  
**303**

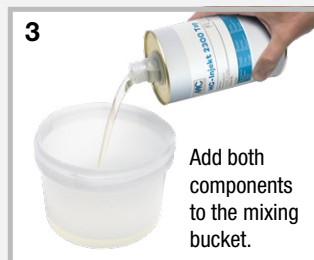
Art. no.	Description	PU	Secondary packaging	Weight
040015	MC-Injekt 2300 top polyurethane resin	1 l combination can: (0.5 l component A + 0.5 l component B)	1 carton = 6 cans	1.30 kg per can
040018	MC-Injekt 2300 top polyurethane resin	10 l canister: (5 l component A + 5 l component B)	1 canister	11.55 kg per canister

## Application

All resins must be very well homogenised when stirred in.  
Example MC-Injekt 2300 top:

Installation instructions, technical data and data sheets can be found on our website:  
[www.mastertec.eu](http://www.mastertec.eu)

Resins and adhesives cannot be shipped at temperatures below +5°C.



# MC-Injekt 1264 compact

## Epoxy resin

Non-positive filling of cracks and joints;  
Injection into injection hoses;  
Suitable for dry and damp substructures;  
Processing time approx. 25 min. at +20°C;



Art.Gr.  
**303**

Art. no.	Description	PU	Secondary packaging	Weight
040020	MC-Injekt 1264 compact epoxy resin	1 l combination can: (800 ml component A + 200 ml component B)	1 carton = 6 cans	1.35 kg per can

# MC-Injekt 2133

## Single-component, fast-foaming polyurethane-based foam resin

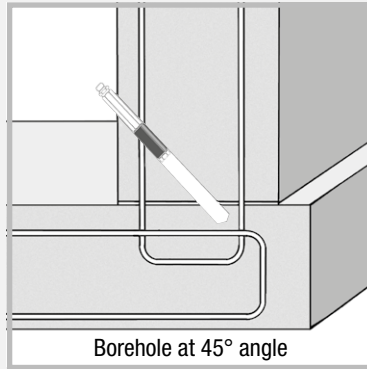
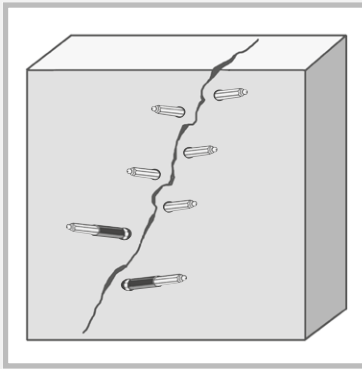
Immediately stops the inflow of water; rapid expansion with high increase in volume;  
Reaction time upon contact with water approx. 10-15 seconds;



Art.Gr.  
**303**

Art. no.	Description	PU	Secondary packaging	Weight
040050	MC-Injekt 2133 foam resin	1 l can	1 carton = 6 cans	1.30 kg per can

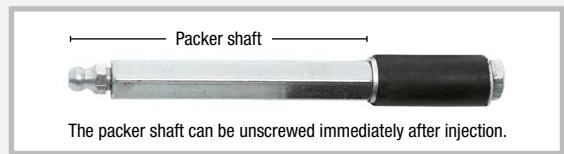
# Injection packers / surface packers



Art. no.	Screw injection packer including nipple / size	Drill bit Ø	PU	Weight per carton
030185	10/70 mm	10 mm	1 carton of 100 pcs.	1.90 kg
030187	10/100 mm	10 mm	1 carton of 100 pcs.	2.70 kg
030183	13/80 mm	14 mm	1 carton of 100 pcs.	2.90 kg
030180	13/100 mm	14 mm	1 carton of 100 pcs.	4.65 kg
030181	13/170 mm	14 mm	1 carton of 100 pcs.	7.60 kg
030182	13/250 mm	14 mm	1 carton of 100 pcs.	10.80 kg

## One day site packer

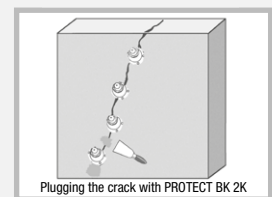
Art.Gr. 304



Art. no.	One day site packer including nipple / size	Drill bit Ø	PU	Weight per carton
030188	10/110 mm	10 mm	1 carton of 100 pcs.	4.00 kg
030189	13/115 mm	14 mm	1 carton of 100 pcs.	4.60 kg

## Surface packer

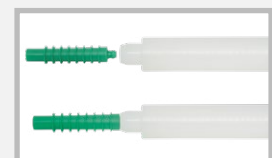
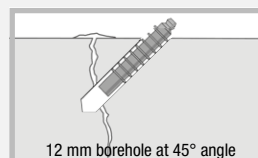
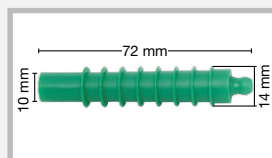
Art.Gr. 304



Art. no.	Description	PU	Weight
030200	Plastic surface packers, washer diameter 5 cm	1 bag of 100 pcs.	1.70 kg per bag

## Plastic injector




Art.Gr. 304



Art. no.	Description	PU	Weight
030210	Plastic injector with non-return ball	1 bag of 200 pcs.	0.80 kg per bag
030215	Impact stud	1 pc.	0.07 kg/pc.

# LIDOL concrete release agent

Art.Gr.  
305

Art. no.	Description	PU	Secondary packaging	Weight	
040310	<b>LIDOL MULTI</b>  Universal release agent for all common types of formwork	1 canister 20 l	Pallet: 30 canisters	18.0 kg per canister	
040320	<b>LIDOL MULTI</b>	1 drum 200 l with integrated faucet	Pallet: 2 drums	184.6 kg per drum	Drum
040330	<b>LIDOL BIO</b>   Universal release agent for all common types of formwork Rapidly biodegradable Environmental label "Blue Angel"	1 canister 20 l	Pallet: 30 canisters	18.0 kg per canister	 20 l canister

## LIDOL MULTI

**LIDOL MULTI is an environmentally sound universal release agent**

The application of LIDOL MULTI to the formwork prevents the formwork from coming into contact with the concrete. The formwork can therefore be easily stripped.

### Applications:

- For all common formwork types
- With fair-faced concrete
- When coating concrete surfaces with plaster, stucco or similar material, e.g. wallpaper, paint, ceramic
- Does not contain corrosion protection additives, corrosion protection is provided by mineral oils



### Environmental aspects:

- Water hazard class 1 = low hazard to water
- Not subject to mandatory labelling
- Flashpoint > +120°C
- Neutral odour

### Application:

LIDOL MULTI is not sensitive to frost and can be used without problems in all weather conditions. The release agent can be applied by spraying, brushing or rolling. The most economical application method is using a compression sprayer.

# LIDOL BIO

**LIDOL BIO is an environmentally sound and highly biodegradable universal release agent**

## Special award:

Due to its high environmental compatibility, LIDOL BIO was awarded the environmental label “Blue Angel” by RAL Deutsches Institut für Gütesicherung und Kennzeichnung e.V (German Institute for Quality Assurance and Labelling).



## Applications:

- In water protection areas and zones with environmental stipulations
- For all common formwork types
- With fair-faced concrete
- When coating concrete surfaces with plaster, stucco or similar material, e.g. wallpaper, paint, ceramic



## Environmental aspects:

- Water hazard class 1 = low hazard to water, highly biodegradable
- Not subject to mandatory labelling
- Flashpoint > +120°C
- Neutral odour



## Application:

LIDOL BIO is not sensitive to frost and can be used without problems in all weather conditions. The release agent can be applied by spraying, brushing or rolling. The most economical application method is using a compression sprayer.

Types of formwork	Yield per 1 litre of LIDOL BIO	Yield per 1 litre of LIDOL MULTI
formwork panels	approx. 75 m <sup>2</sup>	approx. 80 m <sup>2</sup>
planed timber surface	approx. 35 m <sup>2</sup>	approx. 40 m <sup>2</sup>
unplaned timber surface	approx. 25 m <sup>2</sup>	approx. 30 m <sup>2</sup>











**INJECTION HOSES**

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**ACCESSORIES FOR  
INJECTION HOSES**

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**INJECTION PACKERS**

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**INJECTION RESINS**

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**CONCRETE ADHESIVES**

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**CONCRETE RELEASE AGENTS**

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