MC-Packer Systems

Packer for Sealing and Rigid Injection

Product Properties

- High-pressure packers for resin injection (bore packer, adhesion packer)
- Low-pressure packers for suspension injection

Areas of Application

- MC-Adhesion Packer and MC-Surfacepacker LP: for dry structural parts
- MC-Injection Packer and MC-Steel Packer: for dry, moist, water-bearing and pressurized water-bearing structural parts
- MC-Hammer Packer and MC-Hammerpacker LP: for dry, moist, water-bearing and pressurized water-bearing structural parts

Handling

MC-Adhesion Packer / MC-Surfacepacker LP
These packers are used for dry crack injection. They are glued directly onto the crack. Depending on the task, the crack path and the footprint of the packers are fully closed with a sealant. The distance between the adhesion pa-ckers depends on the respective thickness of the structural part.

MC-Adhesion Packers are made of steel and equipped with a ball head valve.

MC-Surfacepacker LP are plastic packers with a sliding valve and a quick release coupling on the head piece. The connecting pieces are suitable for the mixing heads of the MC-Fastpack injection products.

MC-Injection Packer (bore packer)
These packers are mainly used for injection of water-bearing cracks. The injection packers are made of non-corrosive material and have a pre-determined breaking point. The packers are equipped with a ball head valve.

To fix the MC-Injection Packers in a structural part, drill holes are made, that have to cross the centre of the crack. The distance depends on the thickness of the structural part. The packers are braced in the bore channel by spreading apart the sealing rubber.

After injection, the MC-Injection Packers need to be removed by rotating the valve-screw to rupture at the pre-determined breaking point. The remaining pieces in the drill channels do not have to be removed.

MC-Steel Packer (bore packer)
These packers are used for cavity and ground injections with large injection quantities. The nozzle opening is 5 mm. The packers are equipped with flat head nipples. The distance of the drill channels depends on the injection task.

MC-Hammer Packer / MC-Hammerpacker LP (bore packer)
These packers are developed especially for injection materials, which are injected in large amounts and with low pressure.

For these packers drill channels with suitable diameter are to be drilled. The distance between the drill channels depends on the thickness of the structural part. The packers are driven into the drill channels. While hammering the packer into the drill channel the connecting piece shall be protected by a mounting tool.
After injection, the packers are cut off flush to the surface.

MC-Hammer Packers have a nozzle opening of 4.5 mm and are sealed by a plastic valve with a low opening pressure.

MC Hammerpacker LP have a nozzle opening of 7 mm and an integrated non-return valve with low opening pressure. The connecting pieces are suitable for the mixing heads of the MC-Fastpack injection products.

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Technical Data for MC-Packer Systems

	MC-Adhesion Packer	MC-Surface-packer LP	MC-Hammer Packer
Material	steel	plastic	plastic
Dimensions (Ø x length)	adherend 43 mm shank 23 mm	adherend 50 mm shank 58 mm	18 mm x 115 mm
Drill diameter	-	-	16 - 18 mm
Orifice	approx. 1.5 mm	approx. 3.0 mm	approx. 4.5 mm
Sealing	1-time	1-time	7-times
Permitted max. pressure in masonry in concrete	60 bar 30 bar	30 bar 30 bar	30 bar 30 bar
Loss of pressure	approx. 10 - 15 bar with ball valve 0 bar	0 bar	ca. 1 bar
Packaging unit	100 amount in a box	50 amount in a box	100 amount in a box

Technical Data for MC-Packer Systems

	MC-Hammer-packer LP	MC-Injection Packer	MC-Steel Packer
Material	plastic	aluminium	steel
Dimensions (Ø x length)	14 mm x 95 mm	14 mm 115 mm	18 mm x 300 mm
Drill diameter	14 mm	14 mm	18 mm
Orifice	approx. 7.0 mm	approx. 1.5 mm	approx. 4.0 mm
Sealing	7-times	2-times	1-time
Permitted max. pressure in masonry in concrete	50 bar 30 bar	200 bar 30 bar	200 bar 30 bar
Loss of pressure	approx. 1 bar	approx. 10 - 15 bar	approx. 10 - 15 bar
Packaging unit	100 amount in a box	100 amount in a box	50 amount in a box

Edition 05/11. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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