

MC-Packer Systems

Packer for Sealing and Rigid Injection

Product Properties

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

Areas of Application

- MC-Klebepacker L and MC-Surfacepacker LP: for use in dry conditions
- MC-Injektionspacker DS 13 / DS 14 and MC-Injektionspacker LS 18: for use in dry, moist, water-bearing and high-pressure water-bearing conditions
- MC-Schlagpacker and MC-Hammerpacker LP 12: for use in dry, moist, water-bearing and high-pressure water-bearing conditions

Handling

MC-Klebepacker L / MC-Surfacepacker LP

These packers are used for injection of dry cracks. They are glued directly onto the crack. Depending on the task, the crack path and the footprint of the packers are fully closed with sealant. The distance between the adhesion packers depends on the thickness of the structural part.

MC-Klebepacker L are made of plastics and equipped with a cone 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-Injektionspacker DS 13 / DS 14

These packers are mainly used for injection of water-bearing cracks. The injection packers are made of aluminium and have a predetermined breaking point. They are equipped with a cone head valve.

To fix MC-Injektionspacker DS 13 / DS 14 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 packers are struck-off. The remaining endpiece does not have to be removed.

MC-Injektionspacker LS 18

These packers are used for cavity and ground injection with large injection quantities. The nozzle opening is 5 mm. The packers are equipped with flat head nipples. The distance between the drill channels depends on the injection task.

MC-Schlagpacker / MC-Hammerpacker LP 12

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. 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 low opening pressure.

MC Hammerpacker LP 12 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.



Technical Data for MC-Packer Systems

	MC-Klebepacker L (surface packer)	MC-Surface- packer LP	MC-Schlagpacker (hammer packer)
Material	plastic	plastic	plastic
Dimensions (Ø x length)	adherend 40 mm shank 22 mm	adherend 50 mm shank 58 mm	18 mm x 115 mm
Drill diameter	-	-	16 - 18 mm
Orifice	approx. 1.0 mm	approx. 3.0 mm	approx. 4.5 mm
Sealing	1-time	1-time	7-times
Permitted max. pressure in concrete in masonry	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 12	MC-Injektionspacker DS 13 / DS 14 (bore packer)	MC-Injektionspacker LS 18 (bore packer)
Material	plastic	aluminium	aluminium
Dimensions (Ø x length)	12 mm x 95 mm	DS13: 13 mm x 110 mm DS14: 14 mm x 110 mm	18 mm x 300 mm
Drill diameter	12 mm	DS: 13 mm DS: 14 mm	18 mm
Orifice	approx. 1.5 mm	approx. 1.5 mm	approx. 5.0 mm
Sealing	7-times	2-times	1-time
Permitted max. pressure in concrete in masonry	60 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

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 09/16. 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.