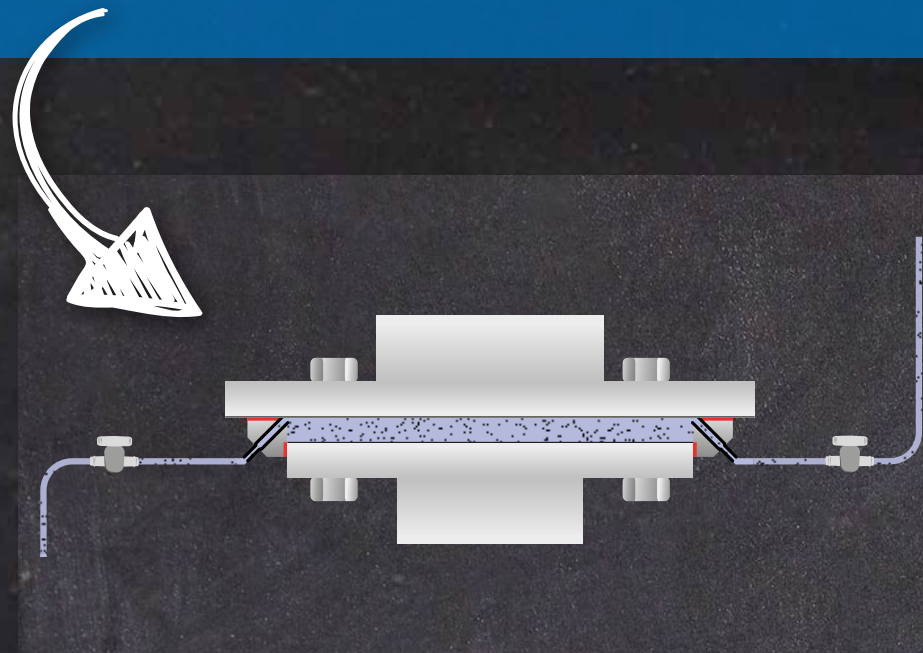




Gap Compensation and Corrosion Protection INJECTION SYSTEM



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V 1.21



With the injection system,
gaps can be compensated,
which can result from welding
distortion or deviations

in production.

In complex constructions, such as **bridges, pillars, machines** and **plants**, in the marine sector as well as in building construction and civil engineering, corrosion can occur on **top plates, bridge bearings or flanges**, or gaps can form due to different environmental influences. As a result, a flush frictional connection is no longer ensured.

Without a 100% frictional connection, there is a risk of shear forces causing bolts to loosen or of screw heads breaking off.

With the help of the new **WEICON Injection System** and a gap-bridging product, such as the epoxy resin system WEICON WR, the difference (the gap) can be filled and a full frictional connection can be achieved. In addition, the gap-bridging product protects the surfaces of the complex structures against environmental influences and contact corrosion as well as cold welding.



WEICON Injection Packer Set

Comprising:

- 1 x threaded nozzle R1/4"-8 mm PA6
- 1 x PVC tube 9x13 mm transparent, 1 m
- 1 x tube valve PE

► Set
10851020

i In order to inject the gap-bridging product, you **additionally need** (connecting pieces (for injection and ventilation sides) for the gap-compensating workpiece.

Injection packers are available from WEICON in two common sizes:

Injection Packer FLAT

► Alu 50 x 30 x 10 mm
10851022



Injection Packer RECTANGULAR

► Alu 50 x 25 x 25 mm
10851021



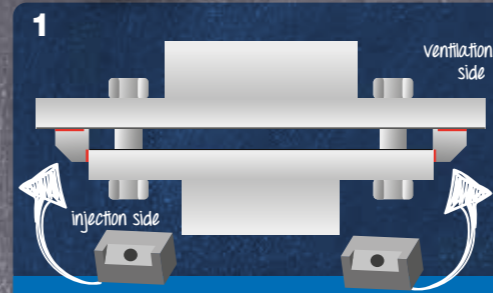
Prior to the first application, the WEICON team is happy to support you with technical advice.

APPLICATION EXAMPLE
GAP COMPENSATION ON DIFFERENT-SIZED TOP PLATES



The following products were used for the application:

- WEICON Injection Packer Set 2 x 10851020
2 x threaded nozzle R 1/4"-8 PA6
2 x PVC tube 9x13 mm transparent, 1 m
2 x tube valve PE
- empty cartridge with plunger 310 ml
- dosing tip standard transparent
- Injection Packer RECTANGULAR 2 x 10850121
- WEICON product for the injection s. overview
- WEICON product for sealing 13305250
- WEICON Cartridge Gun 13250001

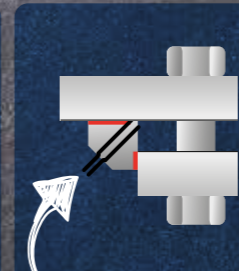


Prior to the gap compensation, the **injection packers** are placed on the injection and ventilation side. Depending on the application, the number and position of the injection connectors are determined individually.

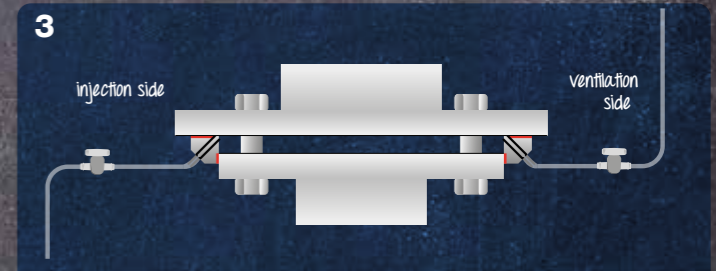
After positioning the injectors, the gap is sealed **all around**. Depending on the size of the gap and the pressure, we recommend using e.g. Easy-Mix PU-240, Easy-Mix PU-90, Repair-Stick Steel and Flex 310 M 2 K.



2 Cut the tubes into two pieces each using a box cutter and attach them to both ends of the tube valve.

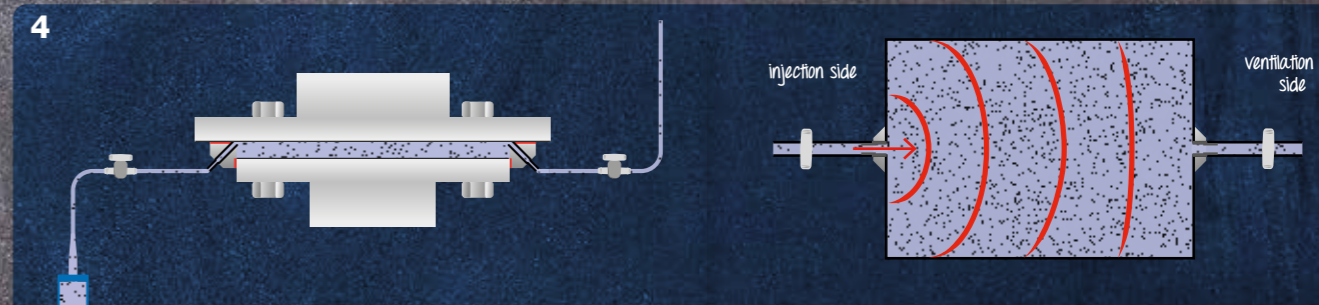


Twist the threaded nozzles into the injection packers on the injection and ventilation sides.



3 Attach the tubes to the threaded nozzles on the injection and ventilation sides.

Stir the gap-bridging product (e.g. WEICON Plastic Metal) thoroughly and without air bubbles with a mixing propeller and fill it in a processing vessel (empty cartridge with plunger).



The injection process is carried out, until the gap-bridging product starts to leak out on the ventilation side.

In the detail drawing (on the right), the wavelike spreading of the material is shown.

These WEICON products are suitable for gap-bridging:

- WEICON WR 10300020
- WEICON C 10850121
- WEICON F2 10200020
- WEICON CBC 10110030
- WEICON Urethane 85 10800540



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Management System
ISO 9001:2015
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Injection System

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