

To whom it may concern

Rottenburg, den 16.06.2023

Re: an.kox written statement injection pressure WaterproofX® 100 injection hose system

Dear Sir, dear Madam,

in accordance with General Guidelines for Injection Hose Systems (f.e. ZTV-ING – Part 3 Solid Structure – Section 5 Filling of cracks and cavities in concrete structures– Annex A) we recommend to inject the WaterproofX100 injection hose system earliest after 28 days after the concrete pour with low injection pressures. The period of 28 days guarantees that the concrete has reached more than 80% of its designed stiffness. Furthermore first settlements respectively potential movements inside the construction joints resulting from shrinkage, thermal fluctuations etc. have stopped to a certain extent.

On the other hand injecting an injection hose systems means slow injection with relatively low injection pressures. With an.kox injection hose systems the micro openings will start to open to let the injection material to spread inside the construction joint already at around 1,0 bar. Low pressure injection allows the injection material slowly to spread inside the joint.

With this knowledge we would like to emphasis that injecting our injection hose systems should be carried out with low injection pressures. On the other hand we can confirm that it is also possible to inject our systems with injection pressures beyond 25 bars. We can even confirm that pressures up to 200 bars can be handled by the injection hose system! Often the max. injection pressure is limited by the injection pump used for the injection (usually max. injection pressure 250 bar).

Kind Regards



Mark Weichert

Graduate Civil engineer
an.kox GmbH