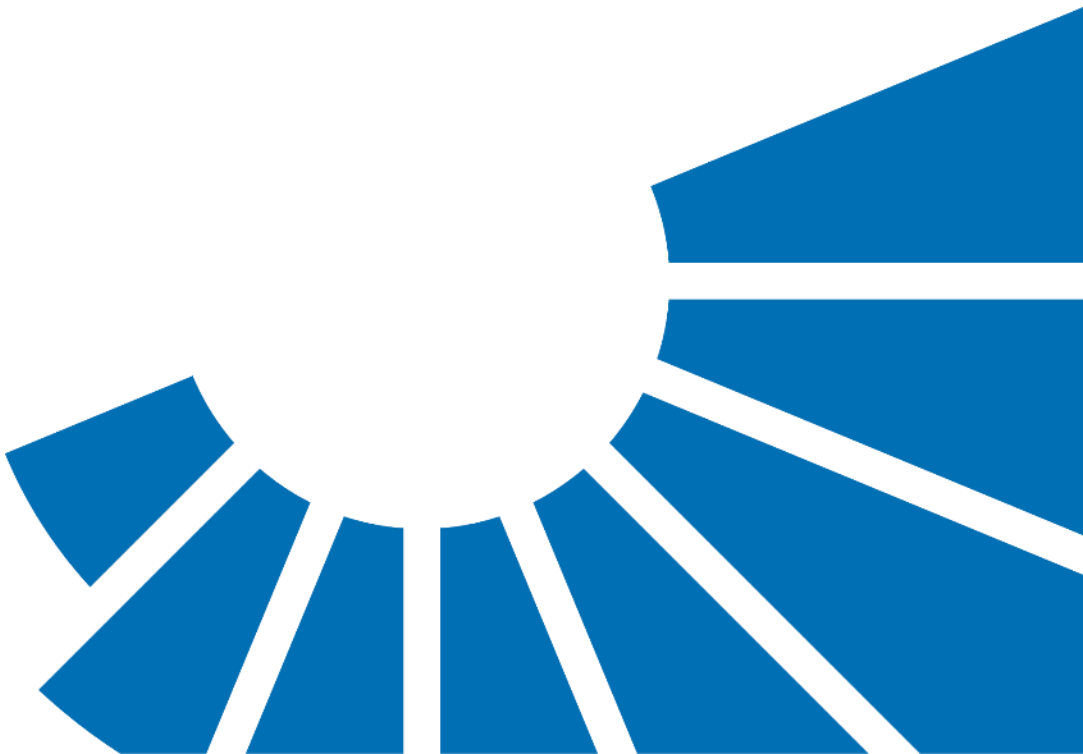
gcp applied technologies

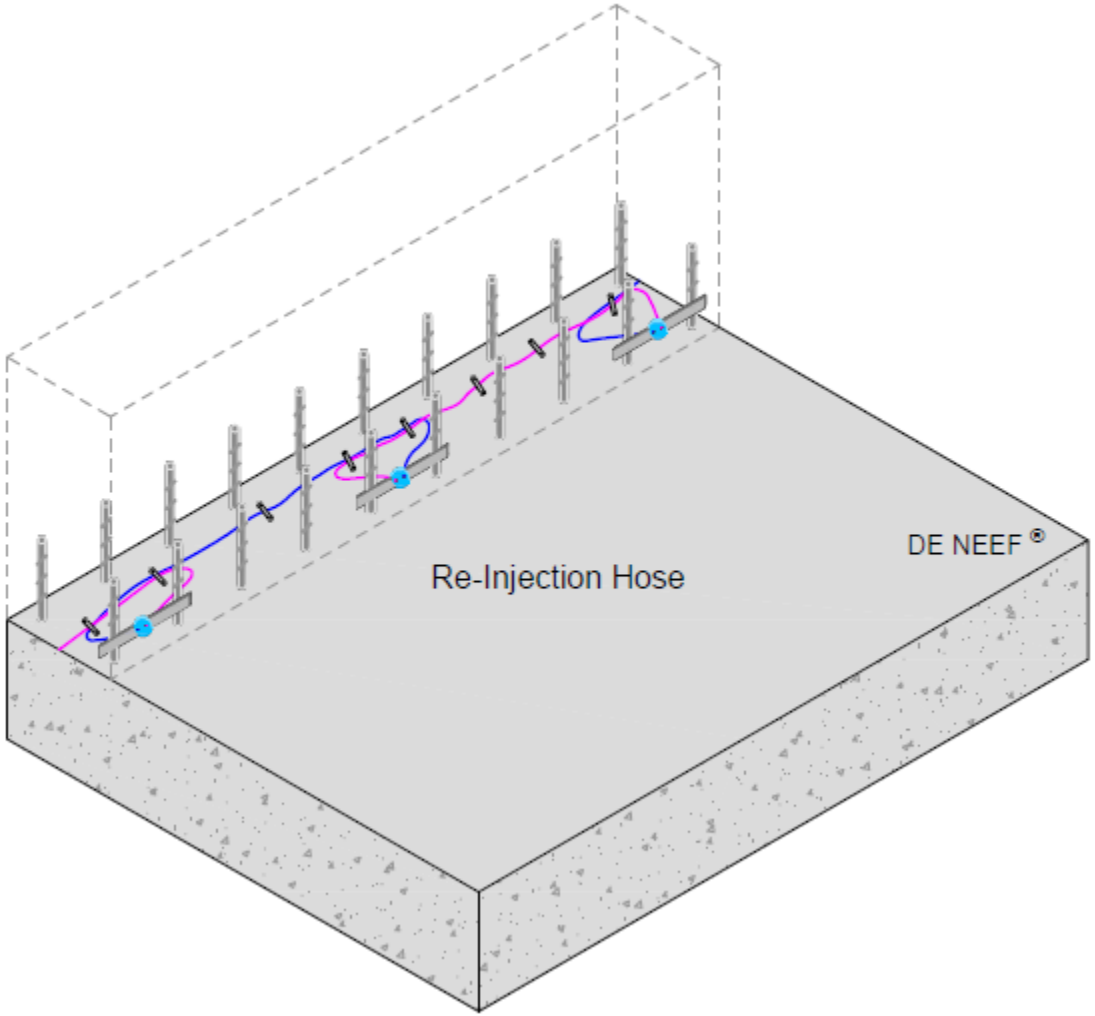
DE NEEF®

Leak sealing injections



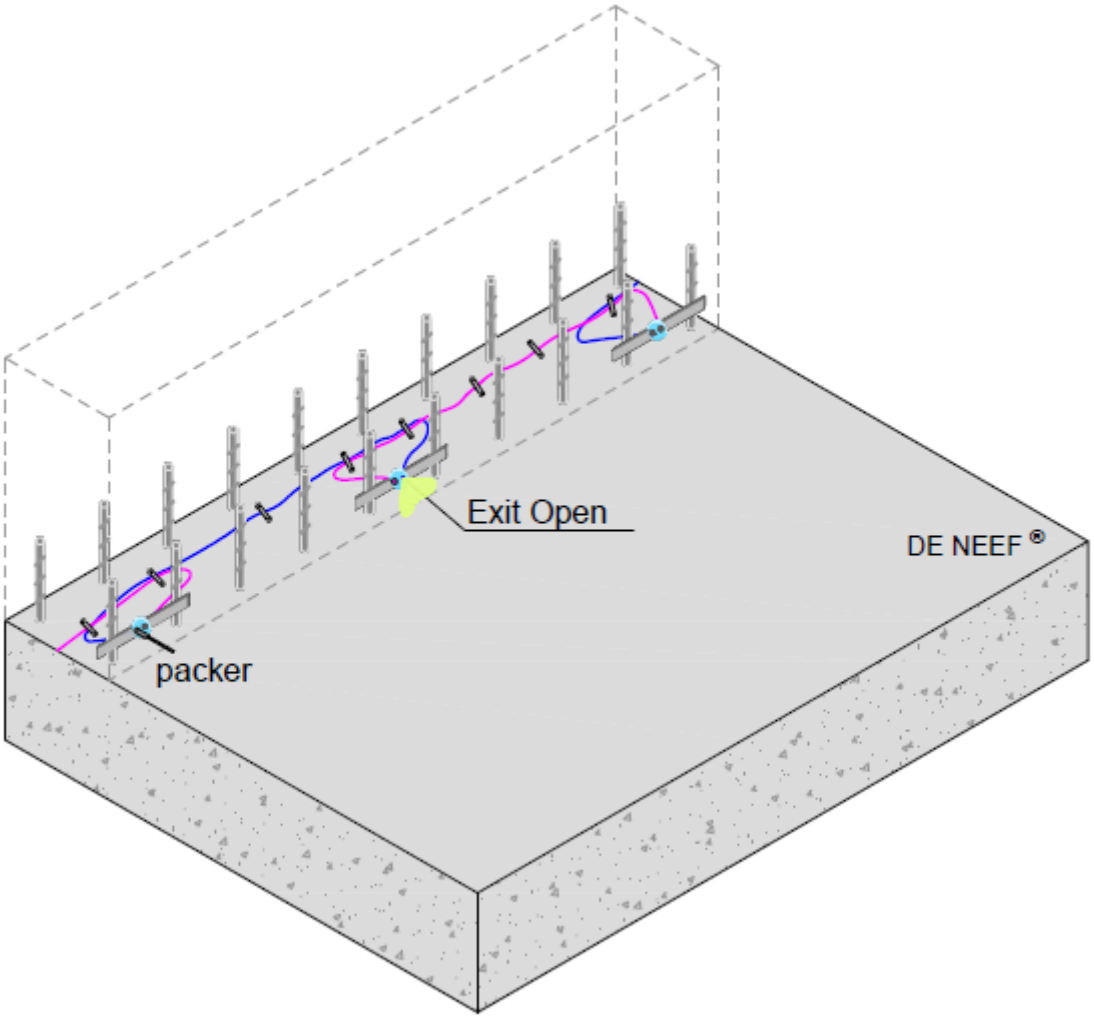
A construction products technologies company

Injection hose



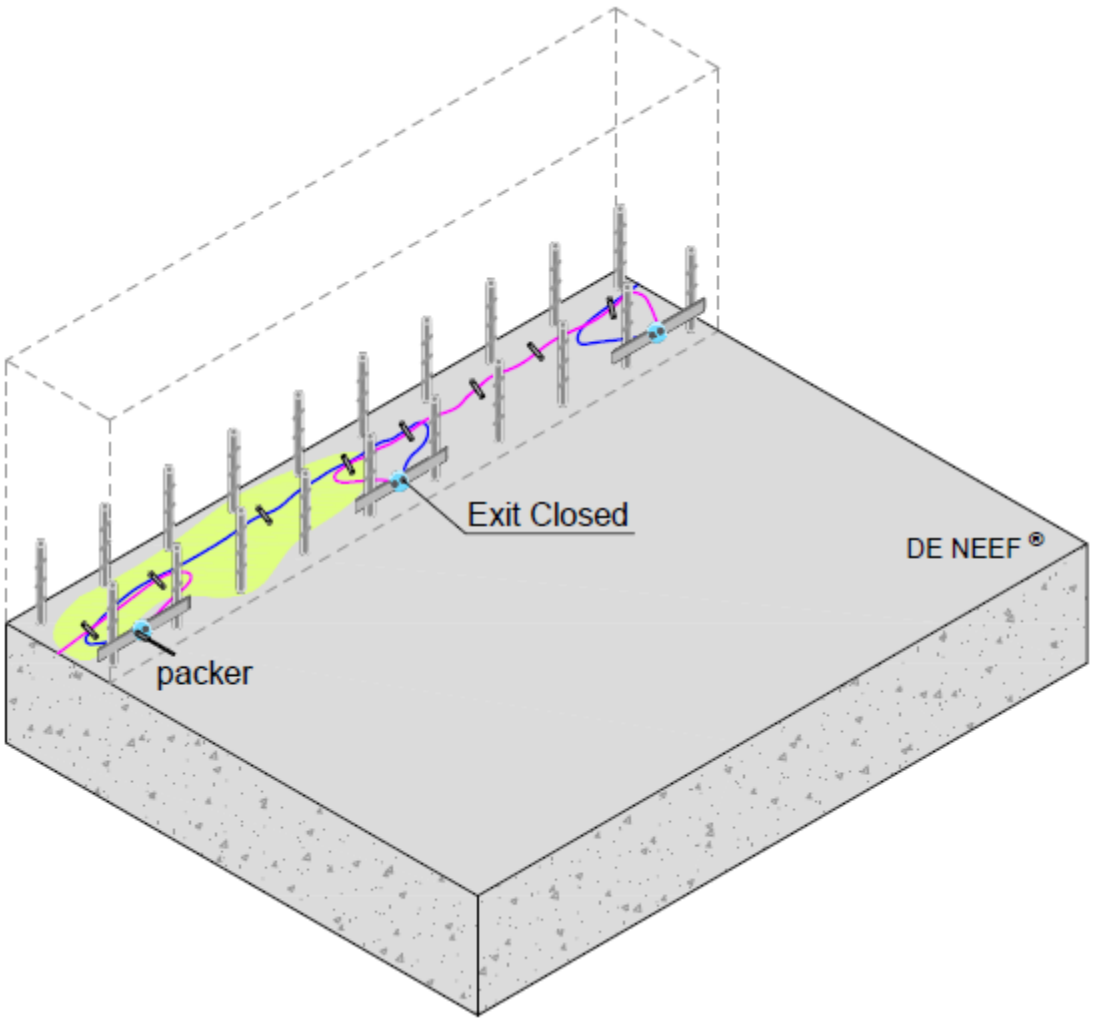
- The DE NEEF Re-injecto is pre applied, and is used as a post injection system
- Only acrylic resin is used to inject the Re-injecto.
- Re-injecto is used when there is water seen coming out of the joint.
- Re-injecto can be used multiple times keeping some application details in mind.
- The Re-injecto itself has no waterproofing properties.
- When there is water the Reinjeco is used as a delivery method for the resin without drilling into the concrete.

Re-injecto



- Remove the screw from the blue cap “remove the black foam to see the white plastic screw.
- Screw a packer at the entry port and open the exit port left or right by removing the white screw.
- Before the injection water can be injected to make sure the right injection hose is used and there is no blockage of the hose.
- Connect the pump onto the packer and inject at the lowest possible pressure “≤ 1 bar” till water is coming out of the exit port, if this is the case there is no blockage and the right hose will be injected.

Injection hose



- Prepare the resin Gelacryl Superflex according to the mixing tables on the TDS
- Connect the pump onto the packer and start the injection with the lowest possible pressure and increase till consumption can be seen.
- Continue with injection till resin is coming out of the exit port of the injection hose. Close the exit port by applying the white screw.
- Increase the pressure to let the resin coming out of the injection hose, the slits of the injection hose open with a pressure between 3 and 4 bar.
- Continue the injection till the complete joint is filled with resin.

Re-injecto

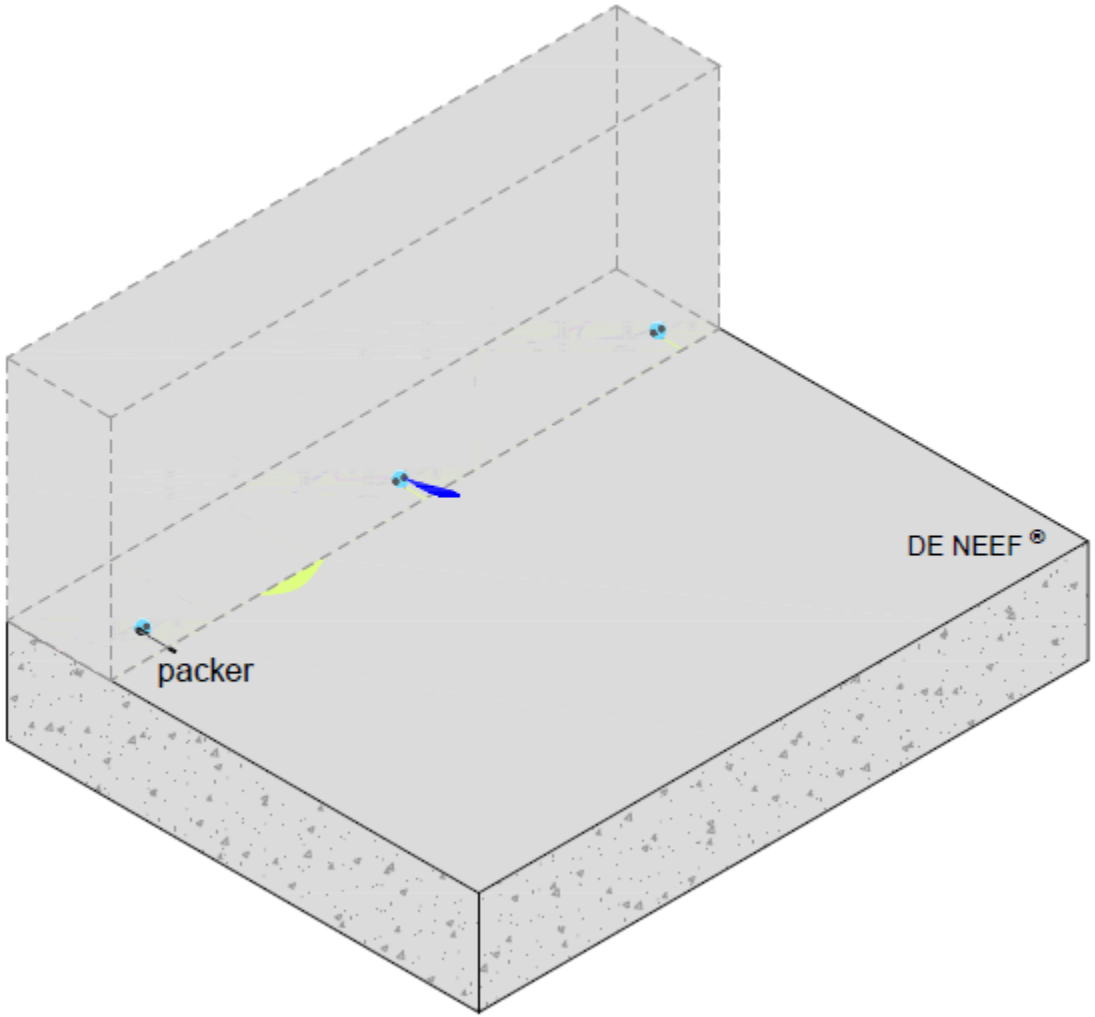
T (°C)	PRODUCT	RESIN (l)	TE 300 (L)	WATER (l)	SP 200 (KG)	NO. OF CONTAINERS	GEL TIME
5°C	GASF	42.00	1.90	42.00	2.25	5	1'
5°C	GASF	42.00	1.90	42.00	1.35	3	2'
5°C	GASF	42.00	1.90	42.00	0.90	2	3'
10°C	GASF	42.00	1.30	42.00	1.80	4	1'
10°C	GASF	42.00	1.30	42.00	0.90	2	2'
10°C	GASF	42.00	1.30	42.00	0.45	1	3'
15°C	GASF	42.00	1.10	42.00	1.35	3	1'
15°C	GASF	42.00	1.10	42.00	0.90	2	2'
15°C	GASF	42.00	1.10	42.00	0.45	1	3'
20°C	GASF	42.00	0.80	42.00	1.35	3	1'
20°C	GASF	42.00	0.80	42.00	0.90	2	2'
20°C	GASF	42.00	0.80	42.00	0.45	1	3'

https://gcpat.in/sites/in.gcpat.com/files/pdf/current/resource/GCPAT_gelacryl_superflex_in_11086.pdf

- Prepare the pump and the resin Gelacryl Superflex according to the mixing table and the desired reaction time
- Comp A = Resin + TE300/400
- Comp B = Water + SP200.
- Perform a cup test before the injection to have an idea about the reaction time.
- Perform a pump test to make sure the pump is working correctly in a 1:1 ratio

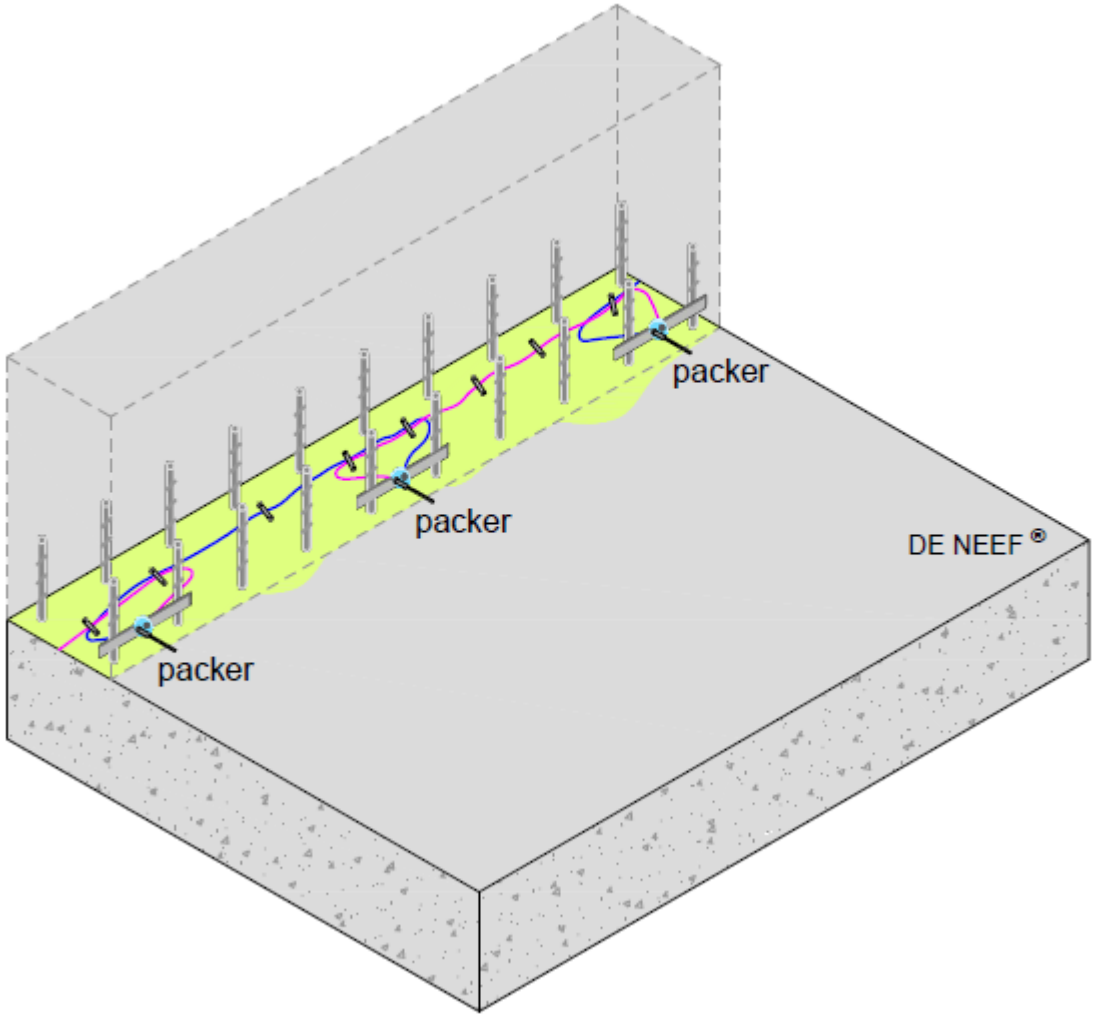
Slower reaction times can be achieved by adding KF500, consult De Neef® technical services

Re-injecto



- When unreacted resin is coming out of the joint, wait a few moments. “depending on reaction time”. And continue with the injection when the Gelacryl Superflex is about to react.
- When 1 Re-injecto hose/joint is injected successfully flush the hose with water to clean it, Once the hose is cleaned it can be used again on a later stage.
- Apply the screws on the blue cap and repeat the sequence on the the next Re-injecto hose.

Screen injection



- When the injection is finished removed the packers and apply the screws on the closing “after rinsing”
- When applied correctly there is 1 inlet port and 1 exit port on 1 blue cap.
- An injection is successful when the entire joint is treated. If only 1 part of the system is used water might migrate and come out somewhere else.
- Gelacryl Superflex doesn’t need water to react so it can be used in areas where there is little to no water at the moment of injection.