

Packers

Successful Injection

Description

Nordic Geo Support can help customers with using the right solution from a broad range of packers for the project applications. Insertable crack injection packers are also called mechanical packers. These are sometimes used in high pressure concrete crack injection situations, typically up to 1000 psi.

Packers can be used for resin or cement injection. Typical examples of applications include:

- Filling of cracks
- Consolidation of ground
- High pressure injection into concrete structures
- Targeting water bearing zones to seal both low-pressure and high-pressure ground water situations

Placing of the packers is dependent on the target zone, drill hole diameters and rock conditions. The boreholes must be cleaned and the packers secured into the borehole before injection starts. Packers are usually inserted into predrilled holes and used for both larger crack and fine crack injection to the targeted soils and rock for consolidation, crack sealing and water management.

Depending on the conditions high pressure packers may need to be used, requiring a higher quality steel packer, where low pressure situations may use packers made from plastic. Packers can be single use, single day use or reusable, depending on the project needs.

Typical Designs include:

- Brass Packers
- Steel Packers
- Aluminium Packers
- Zinc Alloy packers
- Plastic Packers

Nordic Geo Support offers systems to meet the requirements of a project and include

- Pumps
- Hoses
- Lances
- Valves
- Mixing tubes
- Connection points
- Drilling consumables.

