



Applications



Behind installations



Exterior basement wall



Elevator shafts



Sheet wall foundation



Pile wall foundation

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Waterproofing Systems

Curtain Injection with KÖSTER Injection Gel G4

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Exterior waterproofing
without excavation



// Curtain injection



A curtain injection with KÖSTER Injection Gel G4 makes a positive side waterproofing, without excavation, possible. The resin is injected through the wall from the inside to the outside. The injection material is dispersed on the exterior wall and in a short time, reacts to create an elastic waterproofing barrier on the positive side.

Typical applications include:

- Basements walls
- Elevator shafts
- Concrete slabs
- Diaphragm wall
- Pile wall systems
- Tunnels

// KÖSTER Injection Gel G4

KÖSTER Injection Gel G4 is an elastic hardening Acrylic gel with an extremely low initial viscosity of only 4 MPa*s. With an almost water-like consistency, the material can be injected into the finest pores within the structure. At the same time, large water-bearing cracks and voids can be quickly elastic and permanently sealed. Therefore, is KÖSTER Injection Gel G4 suitable for sealing against water pressure as well as for waterproofing against rising damp.

// Extensively tested quality

Numerous test studies proved the effectiveness and performance of the KÖSTER gels. Such tests certify the material for use in drinking and ground water environment, reinforced concrete, against high water pressure (up to 7 bar), and even under salt water contact, among others.

// KÖSTER Acrylic Gel Pump

KÖSTER Injection Gel G4 is injected using the pneumatically driven KÖSTER Acrylic Gel Pump. It offers an operating pressure from 15 – 220 bar and a delivery output of up to 10 ltr. per minute.



The advantages of KÖSTER Injection Gel G4

- Initial viscosity similar to water enables a deep penetration into the building structure
- Toxicologically and ecologically harmless proved with numerous certificates
- Approved for concrete injection according to EN 1504-5
- Elegant and minimally invasive solution with reference cases worldwide
- Suitable for applications in drinking water and Groundwater environments
- Worldwide on-site support from our technical team

