

KOSTER Injection Gel G4

Low viscosity acrylic gel for curtain injection and injection into masonry

Features

KOSTER G4 is a water based, elastic acrylic gel with a very low starting viscosity. Due to its low starting viscosity, it can be injected into substrates with very fine pores.

Technical Data

Solubility in water	Soluble
Mixed viscosity (70°F)	4 mPa-s
Application temperature	> 40°F
Reaction start time (70°F)	Approx. 4 min
Cure time (70°F)	Approx. 15 min
Elongation (ASTM D-3574)	69%
Tensile strength (ASTM D-3574)	654 psi

Fields of Application

KOSTER G4 can be used for waterproofing buildings below grade by curtain injection, for injection into brick or masonry to seal mortar joints against water ingress, and in tunnels, shafts and void injections, as well for soil stabilization.

Application

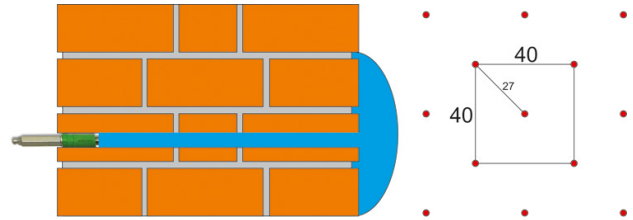
The material is injected using a 2-component-injection pump with an integrated water flush, such as the KOSTER Acrylic Gel Pump.

Mixing:

Add the A2 component into the A1 canister. Thoroughly mix both components by shaking the canister for at least 3 minutes. Pour the B component into the white additional canister and fill it with clean water to the same level as the mixed A component. Mix both components thoroughly by shaking the canister for at least 3 minutes. The ready mixed components have a pot life of 12 hours.

Curtain Injection:

The construction element to be waterproofed is drilled in a 40 cm square shape with a central drill hole in the middle, as shown in the illustration below. Use 10 mm KOSTER Superpackers. In the case of perforated brick, use KOSTER Injection Lances. The injection is done in a 3 step application, where the amount of material is split up according to the application parameters. For a detailed application guideline, please contact KOSTER's technical support team.



Injection into masonry:

The construction element to be waterproofed is drilled up to 2/3 of its thickness using a square pattern with a typical spacing of 40 cm with a centered drill hole in the middle. The boreholes are equipped with 10 mm packers suitable for high pressure injection, e.g. KOSTER Superpackers. The masonry is waterproofed from the inside using KOSTER KB Fix 5. The injection is typically done in a 3 step application until the wall is saturated. Defects in the insulation are immediately repaired using KOSTER KB Fix 1.

Curtain Injection:	2-8 lb/sq ft
Injection into masonry:	Approx 1.2 lb/sq ft for every 6-in wall thickness

Cleaning

Clean all tools immediately after use.

Packaging

IN 290 021	Component A1: 20 kg; Component A2: 1 kg; Component B: 0.4 kg
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Storage

In originally sealed containers, the material can be stored for 12 months.

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment. When carrying out injection work, make sure to protect the surrounding area from injection resin that may be discharged from the wall, packers, or boreholes. Do not stand directly behind the packers.

Limited Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The installer is responsible for the correct application taking into consideration the specific conditions of the construction site and the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

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Related products

KOSTER KB-FIX 1	Art.-Nr. C 511 015
KOSTER KB-FIX 5	Art.-Nr. C 515 015
KOSTER PUR Gel	Art.-Nr. IN 285
KOSTER Injection Gel G4	Art.-Nr. IN 290
KOSTER Injection Gel S4	Art.-Nr. IN 294
KOSTER Drive in aid for Impact Packer 18	Art.-Nr. IN 911 001
KOSTER Superpacker 10 mm x 85 mm CH	Art.-Nr. IN 912 001
KÖSTER Superpacker 13 mm x 85 mm CH	Art.-Nr. IN 914 001
KOSTER Superpacker 13 mm x 115 mm	Art.-Nr. IN 915 001
KOSTER Injection Lance	Art.-Nr. IN 924 001
KOSTER Gel Pump	Art.-Nr. IN 928 001
KOSTER Water Hose for Gel Pump	Art.-Nr. IN 928 002
KOSTER Gel Hose for Gel Pump	Art.-Nr. IN 928 003
KOSTER Manometer for Gel Pump	Art.-Nr. IN 928 004
KOSTER Mix head for Gel Pump	Art.-Nr. IN 928 005
KOSTER Injection Whip for Gel Pump	Art.-Nr. IN 928 006
KOSTER Slide Coupling for pan-head fitting	Art.-Nr. IN 928 007
KOSTER Acrylic Gel Pump	Art.-Nr. IN 930 001
KOSTER Grip Head	Art.-Nr. IN 953 005
KOSTER KD 2 Blitz Powder	Art.-Nr. W 512
KOSTER Repair Mortar	Art.-Nr. W 530 025
KOSTER Waterstop	Art.-Nr. W 540 015

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