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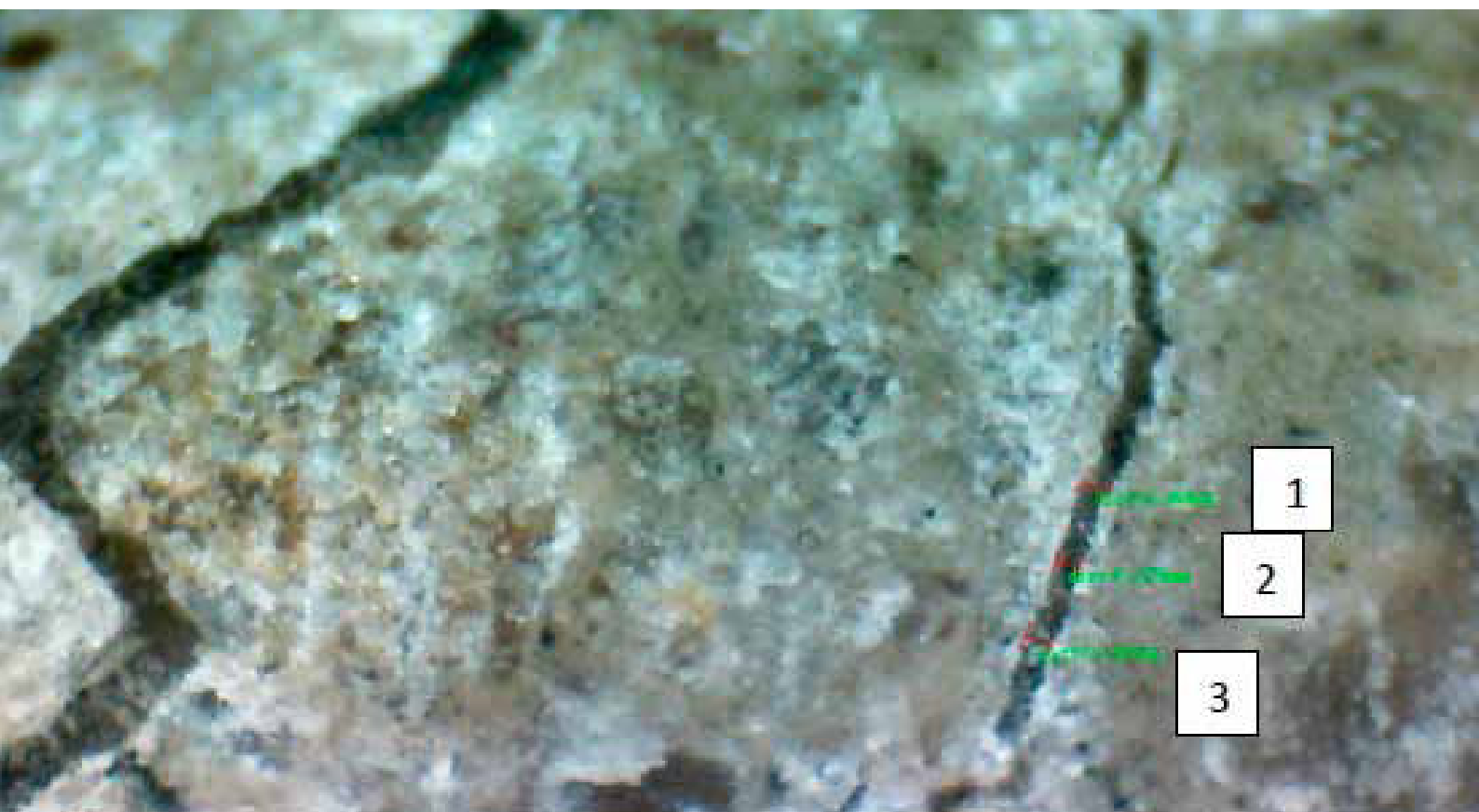
 **BAU 2013**
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KÖSTER
Waterproofing Systems

INTERNATIONAL **INFORMATION**

NOVEMBER 2012

New injection resin KÖSTER KB-Pox® IN...



...outstanding substrate adhesion and crack penetration!

1. KÖSTER KB-Pox® IN:

Outstanding substrate adhesion and crack penetration



Due to numerous requests for an epoxy injection material KÖSTER BAUCHEMIE AG has developed a new injection resin to meet this requirement. It has been used in several cases and has shown such great performance in the laboratory and in practical application, that we

have made the decision to include this product in our standard product range: KÖSTER KB-Pox® IN

KÖSTER KB-Pox® IN is used without pre-injection for filling and closing dry and damp cracks, joints and voids. KÖSTER KB-Pox® IN is used in cases where crack flanks, joints or unequal structural members have to be structurally bonded together.

The material meets very high standards for injection resins in terms of technical characteristics.

- high compressive strength > 50 N/mm²
- very high adhesive strength
 - for dry standard concrete > 4 N/mm²
 - for damp standard concrete > 2 N/mm²
- long pot life approx. 80 min.
- low viscosity approx. 120 mPa·s

KÖSTER KB-Pox® IN is a solvent free and 100% solid epoxy material which does not contain any fillers or softeners. Its special formulation qualifies its use not

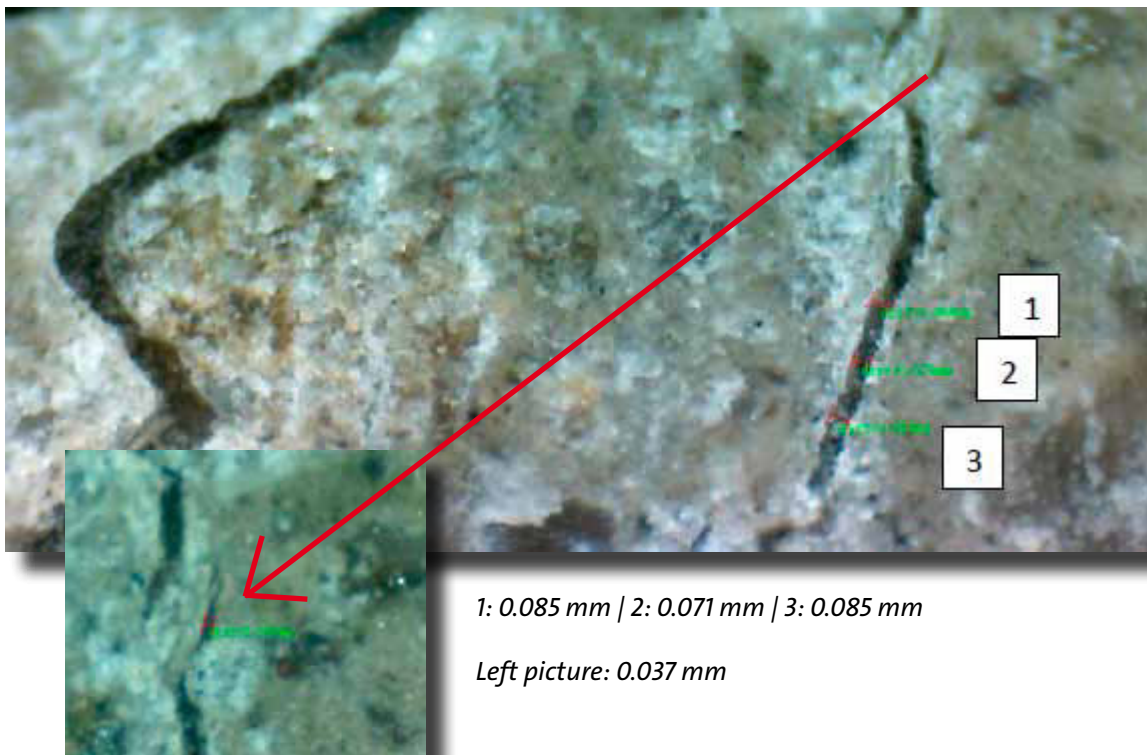
only for dry but also damp cracks.

It provides excellent adhesion to concrete, stone, masonry, and metal. KÖSTER KB-Pox® IN has already been tested for its adhesive strength at the Institute for Material Testing MPA Braunschweig. It tested concrete core samples which had been injected under dry conditions and under conditions where the concrete was wet. Adhesive tensile strength tests showed very high values above 3 N/mm² on average. The test report can be requested from Pay Simonsen, Technical Consultant International (p.simonsen@koster.eu | +49 40 3095 3090 13).

The low viscous formulation enables KÖSTER KB-Pox® IN to penetrate very deeply into mineral crack geometries, ensuring a proper and permanent re-bonding of structural construction members.

The following pictures were taken from core samples on a construction site in the UK and illustrate the excellent crack penetration properties of KÖSTER KB-Pox® IN. During a microscopic analysis hairline cracks down to a diameter of 0.037 mm could be identified.

The product is shipped in a 6 kg combi package and storable for 12 months. The A-List price is 18.83 €/kg (C).



1: 0.085 mm | 2: 0.071 mm | 3: 0.085 mm

Left picture: 0.037 mm