

## KÖSTER Crisin® 76

Technical guidelines/Article

3.081

Updated: September 15, 2008

- Industry classification "CRISIN" registered at the German patent office, K 50 864
- Official examination report, Ostfriesland Fachhochschule [Technical College]: Resistance against bacteria and mildew
- Official certification report, MFPA [Material Development and Testing Institute], Leipzig, Germany - in accordance with WTA guidelines 4-4-03 (KÖSTER Crisin suction angle system)

### Synthetic resin against rising damp, heavy moisture penetration and salt contamination

#### Features

KÖSTER Crisin® 76 is a very thin liquid synthetic resin. It penetrates deeply into even the smallest capillaries and pores in building materials. Due to its very low density and a surface tension that is less than that of water, KÖSTER Crisin® 76 pushes water out of the capillaries. Capillaries treated in this way become lined and water repellent. The curing of the injected product is independent of the drying of the masonry.

After its full cure, KÖSTER Crisin® 76 remains flexible, does not decay or decompose, acts neutrally, does not effloresce and does not affect steel reinforcement. KÖSTER Crisin® 76 is resistant to all of the usual aggressive masonry corrosives, such as acids, alkalis and salts, both during application and after full cure.

#### Technical data

Density	0.76 g / cm <sup>3</sup>
Type of effect	narrowing of pores / hydrophobing of pore walls
Viscosity	1.2 mPa.s (compared to water: 1 mPa.s)
Surface tension	approx. 24 mN / m (compared to water: 73 mN / m)

#### Field of application

Drillhole injection for creating subsequent horizontal waterproofing against rising damp in all mineral building materials. Can be applied from inside and/or outside. Can be applied in cases of high degrees of moisture penetration and with all degrees of salt contamination.

#### Application

KÖSTER Crisin® 76 is applied using the following systems:

- KÖSTER Crisin® 76 cartridge system  
for diagonal cross-section sealing
- KÖSTER Crisin® 76 suction angle system

for horizontal cross-section sealing

Can also be applied using the low pressure injection system. Please refer to the respective system descriptions for detailed information.

#### Consumption

Approx. 0.1 l / m per cm wall thickness

#### Packaging

210 l barrel, 30 l and 10 l plastic canister,  
450 ml cartridge = 28 units / carton

#### Storage

Can be stored for 12 months in sealed leak proof containers. Please follow the instructions for the storage of flammable liquids.

#### Safety

Wear solvent-resistant protective gloves and safety goggles.

#### Please note

After the application of KÖSTER Crisin® 76, salts which are already present in the substrate can during the drying process cause efflorescence and have damaging effects. We recommend the application of KÖSTER Polysil® TG 500 and the application of a fresh coat of a KÖSTER Restoration Plaster System. If cement based systems such as sealing slurries or plasters are to be applied after KÖSTER Crisin® 76 has been applied, then this should be done at the earliest two weeks after the application of the horizontal barrier. If applied earlier, discolourations may occur due to migration of the KÖSTER Crisin® 76.

#### Technical guidelines cited

KÖSTER Polysil® TG 500	Art.-No.	4.011
KÖSTER Restoration Plaster Systems	Art.-No.	5.06

#### System descriptions cited

Cartridge system with KÖSTER Crisin® 76  
Suction angle system with KÖSTER Crisin® 76

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 proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for 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 exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.