



### Solvent-free, deep-penetrating special solution

- capillary solidifying



### APPLICATIONS

- for internal waterproofing of basement masonry in connection with unpressurised drill hole barriers or using low pressure process
- for masonry with up to 50% moisture penetration
- for deep mineralisation of the substrate being waterproofed
- for walls made of concrete and masonry
- for whole-area exterior waterproofing in conjunction with cement mortar or sealing slurries (surface sealing)
- not suitable for visible masonry and facades

### PROPERTIES

- reduces the absorbency of the substrate by hydrophobising the surface zone
- good penetration
- Surface solidifying
- system-compatible

### SUBSTRATE

#### Properties/tests

- The substrate must be firm, load-bearing, free of frost, dust, dirt and mortar residue.
- The moisture penetration level of the substrate must be 50 % maximum.

#### Pretreatment

- The positioning of the drill holes depends on the injection method. The instructions in the WTA data sheet 4-4-04 "Masonry injection against rising moisture" are to be observed.
- Laying out the drill holes for pressureless injection without drill hole cartridges:  
The drill holes should have a diameter of 20 - 30 mm and be set at an angle of approx. 30°. The horizontal spacing for drill holes arranged in two rows should be approx. 10 - 12 cm. When arranging the drill holes in two rows, the height offset should not exceed 8 cm. The drill holes are then to be offset in such a way that the second row is in the middle of the spaces between two drill holes in the first row. In any case the drill holes must cross through at least one horizontal joint. The drill hole depth results from the wall cross-section less 5 cm.  
With drill hole cartridges:  
As without drill hole cartridges, however: When using drill hole cartridges, the drill hole diameter can be 16 mm. The hole must then be set at an inclination of 45°.
- Laying out the drill holes for injection in the low-pressure method:  
The drill hole diameter is based on the cross-section of the filling aid being used (packers). The horizontal spacing between the drill holes should be 10 - 12.5 cm. The hole is created horizontally. The drill hole depth corresponds to the wall thickness less 5 cm. For wall thickness over 60 cm, the drill hole depth is 2/3 of the wall thickness. The drill holes can be arranged on both sides in a single row.
- Dust and loose parts are to be removed from drill holes. The masonry is to be inspected for any cavities.



### PROCESSING

<b>Temperature</b>	<ul style="list-style-type: none"><li>■ Do not process and allow to dry out at air, material and substrate temperatures below +5 °C and with expected night frost as well as above +35 °C, direct sunlight and/or strong wind.</li></ul>
<b>Mixing / Preparation / Processing</b>	<ul style="list-style-type: none"><li>■ Shake well in original container before use.</li><li>■ Only mix as much material as is processed within a day.</li></ul>
<b>Applying</b>	<ul style="list-style-type: none"><li>■ Preparatory work for injecting drill holes: Fill any cavities in the wall materials with quick-mix BLS drill hole slurry. Drill out the drill holes again after approx. 1-2 days.</li><li>■ Fill drill holes with the injection agent. Fill again before drying out and repeat the process until the masonry absorbs no more moisture and full saturation is reached.</li><li>■ For application using the low-pressure method, place packers into the drill holes and inject the injection agent with a suitable dosing pump (up to 10 bar maximum).</li><li>■ For the surface sealing of masonry and concrete, the quick-fix BLV drill hole silicification solution is applied wet-in-wet several times alternating with mortars and sealing slurries. This is applied with a surface brush or wall brush.</li></ul>
<b>Drying / Hardening</b>	<ul style="list-style-type: none"><li>■ If the weather conditions are unfavourable (e.g. driving rain, frost, strong sunlight and/or winds), then suitable protection measures must be taken, particularly in the case of freshly coated surfaces.</li></ul>
<b>Cleaning the tools</b>	<ul style="list-style-type: none"><li>■ Clean all tools and equipment with water immediately after use.</li></ul>
<b>Notes</b>	<ul style="list-style-type: none"><li>■ During the subsequent injection, the instructions in the WTA data sheet 4-4-04 "Masonry injection against rising moisture" are to be observed.</li></ul>

### PACKAGING

- 23 kg/canister

### STORAGE

- Store in the original, unopened packaging in dry, frost-free conditions.

### QUANTITY REQUIRED / YIELD

- consumption: approx. 5.0 kg per running metre of masonry (with 30-cm thick lime sandstone wall)
- The amount used depends on the absorbency of the masonry.

### SAFETY AND DISPOSAL INSTRUCTIONS

<b>Safety</b>	<ul style="list-style-type: none"><li>■ This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.</li><li>■ Follow further instructions in the safety data sheet.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>■ Completely empty and recycle the packaging.</li><li>■ Dispose of the material in accordance with the official regulations.</li></ul>

# BLV

## Drill hole silicification solution

**quick-mix**  
A trademark of **sievert**



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### GENERAL INFORMATION

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This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.