

# Oxal BS-V

## Single-component injectionhole suspension to fill in voids and close injectionholes

### Product Properties

- High sulphate-resistance
- Good penetration into crack-widths  $\geq 0.5$  mm
- Excellent flow characteristics
- Optimal capillarity for subsequent horizontal barriers
- Can be applied pressureless or with low-pressure method

### Areas of Application

- Filling of cracks and voids in brick-, natural stone- or mixed masonry
- Closing of injectionholes after injection of subsequent horizontal barriers

### Application Notes

#### Substrate Preparation

The edges of the respective cracks and voids must be free of dirt, oils, greases and other adhesion-reducing substances. Contaminations must be blown out with dry, oil-free pressurized air. Dry or highly absorbent substrates must be pre-wetted sufficiently.

#### Mixing

One package Oxal BS-V is poured into approx. 7 l clean water and stirred with a slow-moving agitator until a lump-free, workable consistency has been achieved. The mixing should continue until a homogenous, flowable suspension has developed. One packaging unit of 20 kg is enough for approx. 14 l of injectionhole suspension. When mixed, the suspension must be kept in motion continuously, whether by slow stirring or pumping.

#### Pressureless Filling

Oxal BS-V can be filled pressureless into injectionholes and larger voids. The suspension is filled in with a funnel (diameter  $> 12$  mm).

#### Low Pressure Injection

Cracks and smaller voids are injected with Oxal BS-V. Before processing, install injection packers and, if necessary, grout cracks. The injection is done with low pressure up to max. 10 bar. A continuous material flow must be ensured until the void is filled completely. To achieve an optimal filling of cracks, it is recommended to perform a second injection with Oxal BS-V within the reaction time, to replace material escaping through capillaries. The injection of voids can be done in intervals if the objects necessitates such a procedure.

For the installation of a subsequent horizontal barrier one can use the multi-step injection or analogous procedures. If necessary the filled-in injectionholes can be re-drilled to introduce the horizontal barrier as according to the handling advice.

#### Further Information

Partially cured mortar must not be made ductile again by adding water or fresh mortar. Please observe the WTA-data sheet 4-4-04/D "Brickwork-injections against capillary damp".



### Technical Data for Oxal BS-V

Characteristic	Unit	Value	Comments
Coverage	kg/l	approx. 2	kg suspension / l void
Mixing ratio	l : kg	7 : 20	water : Oxal BS-V
Processing time	minutes	approx. 60	at + 20 °C / 65 % relative humidity
Processing Conditions	°C	≥ + 5	air- and substrate-temperature store at > + 5 °C for at least 24 hours before use

### Product Characteristics for Oxal BS-V

Storage	Can be stored in original unopened packs for at least 6 months.
Form of Delivery	20 kg sack 1 palette (40 sacks with 20 kg each)
Disposal	To protect our environment, please empty the packs completely!

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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