

# Oxal DS flex

## Two-component Flexible sealing slurry

### Product Properties

- Flexible and crack-bridging
- Water-proof up to 1 bar
- Alkali-resistant, frost-resistant
- High elasticity
- Open to water vapour diffusion
- Excellent workability
- Protects concrete against corrosion enhancing substances

### Areas of Application

- Exterior waterproofing of soil-touching structural elements
- Sealing in combination with ceramic facings in interior and exterior areas
- Sealing of concrete, lightweight concrete or aerated concrete
- Sealing of brickwork, as well as CS II, CS III and CS IV renders

### Application Notes

#### Substrate Preparation

Loose particles, old coatings, slurries, dust, dirt, bitumen and the like must be removed completely. The substrate must be frost-free, load-bearing and free of bonding-reducing substances. Ridges and sharp-edged unevenness must be removed. Slight unevenness  $\leq 5$  mm must be closed with filler or scratch coat, e.g. Oxal DS flex. This is not a sealing layer however. Rougher unevenness  $> 5$  mm must be levelled with a suitable mineral filler, e.g. Oxal SPM.

#### Mixing

20 kg Oxal DS flex powder are poured into 10 kg Oxal DS flex liquid and stirred with a slow-moving agitator until a lump-free, workable consistency has been achieved. The mixing must take at least 2 minutes. After 2 minutes of maturing the material should be stirred up again.

#### Application

The first layer of Oxal DS flex should be ample and surface-covering, brushed on with a wide brush. Corners and broken edges must be covered especially thoroughly. The second and any further layers can be applied with a brush or trowling

device, as soon as the first layer is load-bearing and cured enough that it won't be damaged by the application of the second layer.

#### After-Treatment

Oxal DS flex must be protected from dehydrating too rapidly (sun, wind, high temperatures) while curing. The hardened sealing must be protected permanently from static, dynamic or thermal damage, by application of a protective coat. Only then can the excavation pit be filled in.

#### Further Information

Partially cured mortar must not be made ductile again by adding water or fresh mortar! Do not process at air- or substrate-temperatures below  $+ 5$  °C or above  $+30$  °C. Avoid working under direct sunlight.

Please observe the WTA-data sheet 4-6-14 "Additional Sealing of Soil-touching Structural Elements", the "Guideline for the Planning and Execution of waterproofing with Mineral sealing slurries", as well as the data sheet "Advice on the execution of waterproofing in Combination with Sidings and Facings made from Tiles and Slabs for Interior and Exterior Areas".

### Technical Data for Oxal DS flex

Characteristic	Unit	Value	Comments
Coverage	kg/m <sup>2</sup>	1.6	per 1 mm dry layer-thickness
Mixing ratio	parts-by-mass	20 : 10	powder : liquid
Ready for overworking	hours	4	between individual layers before ceramic facings are set down after the last layer at 20 °C and 65 % relative humidity
Processing time	minutes	approx. 30	at 20 °C and 65 % relative humidity
Processing Conditions	°C	+ 5 - + 30	air- and substrate-temperature store at > + 5 °C for at least 24 hours before use
Temperature resistance	°C	-20 - +70	
Consumption	mm	2.4	for 2 mm dry layer thickness (all application cases according to general application certificate)

### Product Characteristics for Oxal DS flex

Storage	Can be stored in original unopened packs for at least 12 months.
Form of Delivery	20 kg sack 1 palette (40 sacks with 20 kg each) 10 kg buckets 1 palette (20 buckets with 10 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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