

KS 1 (en)

Sewer Rehab Mortar

Fibre-reinforced, polymer-enhanced and "self-healing"
with microsilicate properties



- Mortar to EN 1504
- Multi-purpose mortar for manholes and sewers (used e.g. for coating, floor rehab, jointing, installation and repair)
- Can be used in lines conveying residential or municipal wastewaters
- Waterproofs against groundwater
- Corrosion protection, e.g. for exposed re-bars
- Contains special fibres for demanding geometries
- Suitable for hand application as well as spraying and centrifugal processes

Properties

- withstands flowing water after short setting time
- waterproof up to 5 bars (= 50 m hydraulic head)
- outstanding bonding (pull-out strength > 1.5 N/mm²), even in winter)
- high abrasion resistance (DIN 1045 rating: XM2)
- shrink-free
- provides "self-healing effects"

Resistance

- resistance class III (GSTT Information Bulletin No 18)
- resistance class III (DWA-Information Bulletin M 143-17)
- Exposition class to DIN EN 206-1 und DIN 1045-2
 - XA3 rating against strong chemical attack
 - XM2 high abrasion resistance
 - XF3
 - XC4
 - WF
- pH range 4.5 – 12 for long-term exposure
- up to 90 ° C under long-term exposure to water

Technical Information

Compressive strength:	7 days	approx. 60 N/mm ²
	28 days	approx. 70 N/mm ²
Water penetration depth:	5 mm (at 5 bars according to DIN EN 12390)	
Usage:	approx. 20 kg/m ² for 10 mm layer	
Using:	+ 5°C bis +30°C	
Grain size:	< 1 mm	
Storage:	store in dry areas only	
Storage life:	approx. 9 months	
Supply packaging:	25 kg bags	

Please note:

The information provided in this data sheet are general indications based on tests and site experience. They are not however to be construed as being directly applicable to the user's intended application. As the data given are average figures determined at normal ambient conditions (20 °C / 65 % relative humidity), deviations may be encountered in individual cases and under actual site conditions. In any work involving this product, please observe our processing recommendations, all applicable national and European guidelines, official recommendations and standards as well as accepted engineering practice. Suitability for the user's intended application must be verified by tests prior to use. Our liability with regard to this product shall be limited exclusively to product quality, i.e. conformance with the technical data of the product represented above. We reserve the right to implement modifications without prior notice in accordance with ongoing development. This technical data sheet supersedes and renders invalid all previously issued versions. Issue: 04/12