



KÖSTER Joint Sealant FS-V black

Technical Data Sheet J 231

Issued: 2019-06-26

Official Test Certificate, OMTL, Hanover - resistance to diesel oil

Stiff / creamy 2 component polysulphide joint sealant

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| | <p>KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 17 J 231 EN 14188-2 Black KÖSTER Joint Sealant FS-V Cold applied jointing material for streets, bridge decks, parking lots, etc.</p> |
| Adhesion and elongation capacity | Modulus of tension at 100% elongation at + 23 °C ≥ 0.15 MPA at - 20 °C ≤ 0.6 MPA |
| Adhesion capacity | no failure at - 20 °C ≤ 0.6 MPa |
| Water impermeability | Modulus of tension at 100% elongation at + 23 °C ≥ 0.15 MPA at - 20 °C ≤ 0.6 MPA No failure at -20 °C ≤ 0.6 MPa |
| Resistance to deflection | Resilience ≥ 70% Volume loss ≤ 5% |
| Durability of water impermeability under chemical attack | Passed |
| Durability of all mandated properties against aging | Change in modulus of tension at 100% elongation ≤ +/- 20% |
| Resistance to flames | Passed |

basements, building foundations, joints in sewage treatment plants, garages, tunnels, etc. It is also suited for application on horizontal joints.

Substrate

The flanks of the joints have to be clean, solid, and free of grease and dust. Substrates must be primed with KÖSTER FS-Primer 2C.

Application

Mix both components thoroughly using a slow speed mixer until a homogeneous consistency is reached, (at least 3 minutes). The joint is filled approx. 2 hours after priming with a caulking gun, (smoothing) trowel, spatula or straight edge.
Observe the DIN 18540.

Consumption

Approx. 1.6 kg/l void

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|------------------------------------|------|------|------|------|------|------|
| Joint width in mm | 10 | 15 | 20 | 25 | 30 | 35 |
| Thickness of joint sealant (in mm) | 8 | 10 | 12 | 15 | 18 | 20 |
| Deviation allowed (in mm) | +/-2 | +/-2 | +/-2 | +/-3 | +/-3 | +/-4 |
| Distance of joints allowed in m | 2-4 | 2-6 | 4-7 | 5-8 | 6-9 | 7-10 |
| Consumption on kg / m | 0,13 | 0,24 | 0,38 | 0,60 | 0,72 | 1,12 |

J - Joint sealing

Features

KÖSTER Joint Sealant FS-V is a flexible stiff / creamy polysulphide joint sealant. When fully cured, KÖSTER Joint Sealant FS-V is a rubbery elastic sealant with a high mechanical load capacity, good resistance to UV radiation, water, sea water, salt solutions, benzenes and mineral oils; it is root resistant, does not rot and it has very good retraction capabilities.

Technical Data

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| Colors | light grey, black |
| Mixing ratio by weight | 100 : 13 (A : B) |
| Pot life | approx. 2 hours (+ 20 °C, 50 % rel. hum.) |
| Curing time | approx. 24 hours (+ 23 °C, 50 % rel. hum.) |
| Consistency | stiff / creamy |
| Specific gravity | approx. 1.6 kg/l |
| Shore A-hardness | approx. 35 |
| Retraction capacity | ≥ 80 % |
| Total deformation permitted | 15 % |
| Application temperature | + 5 °C to + 40 °C |

Fields of Application

KÖSTER Joint Sealant FS-V can be used to permanently and elastically seal vertical joints in below grade construction, cracks in

Cleaning

Clean tools immediately after use with KÖSTER Universal Cleaner.

Packaging

J 231 004 4 kg combipackage

Storage

Store the material dry and frost free. In originally sealed packages it can be stored for a minimum of 6 months.

Safety

Wear safety gloves and goggles when working with the material.

Related products

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| KÖSTER FS Primer 2C | Prod. code J 139 200 |
| KÖSTER Joint Sealant FS-H black | Prod. code J 232 |
| KÖSTER Joint Sealant FS-V grey | Prod. code J 233 |
| KÖSTER Joint Sealant FS-H grey | Prod. code J 234 |
| KÖSTER Universal Cleaner | Prod. code X 910 010 |

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.