BUILDING TRUST

PRODUCT DATA SHEET

SikaSeal®-623 Fire

FIRE RESISTANT INTUMESCENT SEALANT FOR PENETRATION SEALS

PRODUCT DESCRIPTION

SikaSeal®-623 Fire is a fire resistant, intumescent graphite based sealant for interior penetration seals. SikaSeal®-623 Fire is designed to provide a high volume expansion and pressure seal during a fire to combustible pipes that pass through floor and wall service openings.

USES

- Restores the fire resistance performance of a floor or wall which incorporates combustible services such as soil and vent pipes or cables.

CHARACTERISTICS / ADVANTAGES

- Highly intumescent - volume expansion 20 times original size
- 1-part ready to use, easy to apply
- Acoustic insulation
- Up to 4 hours fire resistance

ENVIRONMENTAL INFORMATION

- Conformity with LEED v4 EQc 2: Low-Emitting Materials
- VOC emission classification GEV-EMICODE EC 1PLUS

APPROVALS / STANDARDS

- CE Marking and Declaration of Performace to European Technical Assessment ETA 18/1049, based on EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals
- Fire Intumescent Sealant Pipe Closure and Linear Joint EN 1366-3, SikaSeal®-623 Fire, Warringtonfire, Approval No. CF 5717
- Fire Resistance Performance Classification EN 13501-2, SikaSeal®-623 Fire, Warringtonfire, Classification report No. 401159/B
- Fire Sealant for Fire Stopping EN 1366-3, EN 13501-2, ETAG 026-2, SikaSeal®-623 Fire, UL, Certificate No. UL-EU-01091-CPR

PRODUCT INFORMATION

Chemical Base	Graphite	
Packaging	300 ml cartridge	12 cartridges per box
	600 ml foil pack	12 foil packs per box.
	Refer to current price list for packaging variations.	
Colour	Anthracite	
Shelf Life	12 months from the date of production	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.	
Density	~1,35 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Resistance to fire	Refer to 'Approvals / Certificates', Sika Passive Fire Protection Handbook or contact Sika Technical Services for additional information.
Service Temperature	–20 °C min. / +70 °C max.

APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +40 °C max.
Substrate Temperature	+5 °C min. / +40 °C max., min. 3 °C above dew point temperature

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. SikaSeal®-623 Fire adheres without primers and/or activators.

APPLICATION METHOD / TOOLS

Reference must be made to the Sika Passive Fire Protection Handbook or contact Sika Technical Services for additional information.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

FURTHER DOCUMENTS

- Sika Method Statement: SikaSeal®-623 Fire
- Sika Passive Fire Protection Handbook
- Fire resistance classification reports

LIMITATIONS

- Limitations regarding dimensions and configuration described in the relevant fire resistance classification reports must be considered.
- Do not use SikaSeal®-623 Fire as a glass sealant, for floor joints, sanitary joints, on natural stone, or for civil engineering applications.
- Do not use SikaSeal®-623 Fire on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might leach oils, plasticizers or solvents that could degrade the sealant.
- Do not use SikaSeal®-623 Fire for joints under water pressure or for permanent water immersion.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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