

# PRODUCT DATA SHEET

## SikaSeal®-623 Fire+

Fire resistant intumescent sealant

### DESCRIPTION

SikaSeal®-623 Fire+ is a fire resistant, intumescent graphite sealant. It is used for penetration seals around combustible services in fire compartment walls and floors. In case of fire, SikaSeal®-623 Fire+ closes gaps due to volume expansion of up to 25 times.

### USES

- Restores the fire resistance performance of a wall or a floor which incorporates combustible pipes, combustible pipe insulations or conduits.

### CHARACTERISTICS / ADVANTAGES

- Up to 4 hours fire resistance
- Highly intumescent - volume expansion up to 25 times original size
- 1-part ready to use, easy to apply
- Provides acoustic insulation
- Tested for a large variety of relevant wall and floor types

### PRODUCT INFORMATION

<b>Chemical base</b>	Graphite	
<b>Packaging</b>	300 ml cartridge	12 cartridges per box
	600 ml foil pack	12 foil packs per box
<b>Shelf life</b>	12 months from the date of production	
<b>Storage conditions</b>	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.	
<b>Colour</b>	Anthracite	
<b>Density</b>	~1.5 kg/L	(ISO 1183-1)

### TECHNICAL INFORMATION

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### ENVIRONMENTAL INFORMATION

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

### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance based on European Technical Assessment ETA 21/1030, ETA issued on the basis of EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals
- Fire Resistance EN 13501-2, UL-EU, Certificate No.UL-EU-01213-CPR

<b>Service temperature</b>	-20 °C min. / +70 °C max.
<b>Resistance to fire</b>	Refer to 'Approvals / Certificates' or contact Sika Technical Services for additional information.

## APPLICATION INFORMATION

<b>Ambient air temperature</b>	+5 °C min. / +30 °C max.
<b>Substrate temperature</b>	+5 °C min. / +30 °C max., min. +3 °C above dew point temperature

## BASIS OF PRODUCT DATA

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.

## FURTHER DOCUMENTS

- Sika Application Manual: SikaSeal®-623 Fire+
- Brochure Sika Fire Protection Solutions

## IMPORTANT CONSIDERATIONS

- Do not use SikaSeal®-623 Fire+ as glass sealer, for floor joints, sanitary joints, on natural stone.
- 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.
- Bare metal in contact with SikaSeal®-623 Fire+ must be protected against corrosion using a suitable primer / protection.
- SikaSeal®-623 Fire+ may only be used for applications and in combination with products it was tested for.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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## 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 relevant Sika Application Manual 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.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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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