

PRODUCT DATA SHEET

SikaSeal[®]-635 Fire Foam

Fire resistant 2C foam for penetration sealing

DESCRIPTION

The Product is a 2-component polyurethane intumescent fire foam

USES

- Mixed penetration seal for rigid walls, rigid floors and flexible walls
- Mixed penetrations with cables, cable trays, conduits, metal pipes and combustible pipes <50 mm diameter
- Can be used in combination with SikaSeal-636 Fire Brick

FEATURES

- Easy and fast fire stopping solution for mixed penetrations
- One sided application

CERTIFICATES AND TEST REPORTS

- ETA 21-0719, SikaSeal-698 Fire System
- ETA 21-0718, SikaSeal-699 Fire System

PRODUCT INFORMATION

Composition	2c polyurethane foam
Packaging	380 ml coaxial dual cartridge, 6 cartridges per box
Colour	Red-brown
Shelf life	12 months from production date
Storage conditions	The Product must be stored in the original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheets for information on safe handling and storage.
Density	$\rho \geq 251 \text{ kg/m}^3$

TECHNICAL INFORMATION

Resistance to fire	Refer to the section 'Approvals/Certificates' or contact Sika Technical Services for specific information.		
Thermal conductivity	$\lambda = 0.088 \text{ W.m}^{-1}\text{.K}^{-1}$ $R = 0.279 \text{ m}^2\text{.K.W}^{-1}$		(EN 12667)
Sound insulation	Tested without penetrating elements (EN ISO 717-1)		
	Test specimen dimensions	$D_{n,e,w}(C;Ctr)$	$R_w(C;Ctr)$
	350 x 350 x 144 [mm]	62 (-1; -5) dB	43 (-1; -5) dB
	360 x 360 x 200 [mm]	66 (-1; -6) dB	47 (-1; -6) dB
Permeability to air	$Q_{600} \leq 0.08 \text{ m}^3\text{.h}^{-1}\text{.m}^{-2}$ according to EN 1026 No air permeability was measurable at a differential pressure of 600 Pa and a measurement accuracy of 0.01 m ³ /h $Q_{50} = 0.39 \text{ m}^3\text{.h}^{-1}\text{.m}^{-2}$ according to EN 1026		

APPLICATION INFORMATION

Yield	380 ml cartridge : up to 2.1 L depending on the material temperature and ambient temperature
Material temperature	optimum 20-25 °C, permissible 15-30 °C
Open Time	Mixer open time during work interruption shortens as material temperature increases. At 22°C material temperature, open time is approximately 50 seconds. For breaks longer than 50 seconds (at 22°C material temperature and ambient temperature) mixer must be replaced.
Cutting time	After approx. 90 seconds (at 22 °C material temperature and ambient temperature)

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

The surface consistency of aluminium, stainless steel, galvanised steel and plastics made of polyethylene and polyvinyl chloride is not affected in a negative way upon contact with the Product.

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.

APPLICATION INSTRUCTIONS

APPLICATION

Reference must be made to the relevant Sika Application Manual or contact Sika Technical Services for additional information.

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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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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