

PRODUCT DATA SHEET

Sikacryl®-621 Fire

Fire resistant acrylic sealant for joint seals



DESCRIPTION

Sikacryl®-621 Fire is a fire resistant, phthalate-free acrylic sealant for interior joints in walls and floors.

USES

Restores the fire resistance performance of a floor or wall which incorporates linear seals

FEATURES

- For joints up to 60 mm
- Provides acoustic insulation
- 1-part ready to use, easy to apply
- Up to 4 hours fire resistance depending on the configuration

CERTIFICATES AND TEST REPORTS

- CE Marking and Declaration of Performance to EN 15651-1 - Sealants for non-structural use in joints in buildings - Facade elements
- CE Marking and Declaration of Performance to European Technical Assessment ETA 18/1051, based on EAD 350141-00-1106:2017 - Fire stopping and fire sealing products, linear joint and gap seals
- UL Certificate No. UL-EU-01090-CPR
- Tested in accordance with UL 2079
- VOC test report (USEPA Method 24)
- VOC Emission Test Report (CDPH)

PRODUCT INFORMATION

Composition	Acrylic dispersion	
Packaging	600 ml foil pack	12 foil packs per box
	Refer to current price list for packaging variations.	
Colour	White, grey	
Shelf life	18 months from the date of production.	
Storage conditions	The Product must be stored in the original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.	
Density	~1,60 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Resistance to fire	Refer to "Certificates and Test Reports", Sika Fire Stopping Solution Finder or contact Sika Technical Services for specific information.
Sound insulation	Refer to UL Certificate listed in "Certificates and Test Reports" or contact

Sika Technical Services for specific information.

Service temperature	-20 °C min. / +70 °C max.
Joint design	Refer to "Certificates and Test Reports", Sika Fire Stopping Solution Finder or contact Sika Technical Services for specific information.

APPLICATION INFORMATION

Backing material	Refer to "Certificates and Test Reports", Sika Fire Stopping Solution Finder or contact Sika Technical Services for specific information.
Sag flow	~0 mm (20 mm profile, 50 °C) (ISO 7390)
Ambient air temperature	+5 °C min. / +40 °C max.
Substrate temperature	+5 °C min. / +40 °C max., min. 3 °C above dew point temperature
Skimming time	~10 min (23 °C / 50 % r.h.)

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

- Limitations regarding dimensions and configuration described in the relevant fire resistance certifications must be considered.
- Sikacryl®-621 Fire can be overpainted. However, paints must first be tested to ensure compatibility by carrying out preliminary trials (e.g. according to ISO technical paper: Paintability and paint compatibility of Sealants).
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation (especially with the colour shade white). However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- Do not use Sikacryl®-621 Fire as glass sealer, for floor joints, sanitary joints, on natural stone, or for civil engineering applications.
- Do not use Sikacryl®-621 Fire on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might leach oils, plasticizers or solvents that could attack the sealant.
- Do not use Sikacryl®-621 Fire for joints under water pressure or for permanent water immersion

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

NOTES ON INSTALLATION

Reference must be made to the Sika Fire Stopping Solution Finder and respective application manual of the Product or contact Sika Technical Services for additional information.

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of contaminants such as dirt, oil, grease, cement laitance, sealant residues and poorly bonded coatings which could affect adhesion of the primer and sealant. The substrate must be of sufficient strength to cope with the stresses induced by the sealant during movement.

1. Use techniques such as wire brushing, grinding, grit blasting or other suitable mechanical methods to remove weak substrate material.
2. Repair damaged joint edges with suitable Sika repair products.
3. Remove dust, loose and friable material from all surfaces before applying the sealant.

CLEANING OF EQUIPMENT

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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ISO 9001, 14001, 45001 – SGS
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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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