

PRODUCT DATA SHEET

Sikacryl®-621 Fire

Fire resistant acrylic sealant for service penetration and joint seals

DESCRIPTION

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

USES

- Restores the fire resistance performance of a floor or wall which incorporates penetration services or linear seals
- Can be combined with SikaSeal®-623 Fire, Sikacryl®-624 Fire, SikaSeal®-626 Fire Board, SikaSeal®-627 Fire Collar, SikaSeal®-628 Fire Wrap and SikaSeal®-629 Fire Wrap

CHARACTERISTICS / ADVANTAGES

- Can be combined with many other Sika passive fire protection products
- Provides acoustic insulation
- 1-part ready to use, easy to apply
- Up to 4 hours fire resistance

ENVIRONMENTAL INFORMATION

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

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 15651-1 - Sealants for non-structural use in joints in buildings - Facade elements
- CNS 15814-1 Fire tests for building elements and components- Fire testing of service installations- Part 1: Penetration seals
- 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
- CE Marking and Declaration of Performance to European Technical Assessment ETA 18/1052, based on EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals
- Fire Protection of Movement Joints BS 476, EN 1366-3, EN 1366-4, Sikacryl®-621 Fire, warringtonfire, Approval No. CF 5718
- Fire Reaction, Flow Resistance, Elongation at Break, Durability tests EN 15651-1, Sikacryl®-621, Sika, Test report No. 00002-CS&B-00554-Mri
- Fire Resistance Performance Classification EN 13501-2, Sikacryl®-621 Fire, warringtonfire, Classification report No. 401159/A
- Fire Sealant for Fire Stopping EN 1366-3, EN 1366-4, 13501-2, ETAG 026-2, ETAG 026-3, Sikacryl®-621 Fire, UL, Certificate No. UL-EU-01090-CPR

PRODUCT INFORMATION

Chemical Base	Acrylic dispersion	
Packaging	300 ml cartridge,	12 cartridges per box
	600 ml foil pack	12 foil packs per box
	14L pail	14 L per pail
Colour	Grey, Red	
Shelf Life	18 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	~1,60 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 specific information.	
Service Temperature	-20 °C min. / +70 °C max.	
Joint Design	Refer to 'Approvals / Certificates', Sika Passive Fire Protection Handbook or contact Sika Technical Services for specific information.	

APPLICATION INFORMATION

Backing Material	Refer to 'Approvals / Certificates', Sika Passive Fire Protection Handbook 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	
Skin Time	~10 min (23 °C / 50 % r.h.)	(CPQ 019-1)

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 Method Statement: Sikacryl®-621 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.
- 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.

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

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Sikacryl®-621 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.

LOCAL RESTRICTIONS

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