BUILDING TRUST

PRODUCT DATA SHEET

Sikacryl®-621 Fire+

Fire resistant acrylic sealant for linear seals and penetrations

PRODUCT DESCRIPTION

Sikacryl®-621 Fire+ is a fire resistant, intumescent, phthalate-free acrylic sealant used for interior joints and penetration seals in fire compartment walls and floors.

USES

- Restores the fire resistance performance of a wall or floor which incorporates penetration services or linear seals.
- Can be used in combination with SikaSeal®-626 Fire Board+, SikaSeal®-627 Fire Collar+ and SikaSeal®-629 Fire Wrap+.

CHARACTERISTICS / ADVANTAGES

- Up to 4 hours fire resistance.
- 1-part ready to use, easy to apply.
- Provides acoustic insulation.
- Tested for a large variety of relevant wall and floor types.

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 Performance to European Technical Assessment ETA 21/0889, 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 21/0888, based on EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals.
- Fire Resistance EN 13501-2, UL-EU, No.UL-EU-01212-CPR.

PRODUCT INFORMATION

Chemical Base	Acrylic dispersion	
Packaging	300 ml cartridge	12 cartridges per box
Shelf Life	18 months from the date of production.	
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.	
Colour	White	
Density	~1.6 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Service Temperature	–20 °C min. / +70 °C max.
Resistance to fire	Refer to 'Approvals / Certificates' or contact Sika Technical Services for specific information.
Joint Design	Refer to 'Approvals / Certificates' or contact Sika Technical Services for specific information.

APPLICATION INFORMATION

Sag Flow	~0 mm (20 mm profile, +50 °C)	(ISO 7390)
Ambient Air Temperature	+5 °C min. / +30 °C max.	
Substrate Temperature	+5 °C min. / +30 °C max., min. +3 °C above dew point temperature	
Backing Material	Refer to 'Approvals / Certificates' or contact Sika Technical Services for specific information.	
Skin Time	~15 min (+23 °C / 50 % r.h.)	(CPQ 019-1)

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.

FURTHER DOCUMENTS

- Sika Application Manual: Sikacryl®-621 Fire+.
- Brochure Sika Fire Protection Solutions.

LIMITATIONS

- 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 or on natural stone.
- 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.
- Bare metal in contact with Sikacryl®-621 Fire+ must be protected against corrosion using a suitable primer / protection system.
- Sikacryl®-621 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.

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 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

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.

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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