

BUILDING PRODUCT INFORMATION SHEET

Sikacryl®-621 Fire+

Fire resistant acrylic sealant for linear seals and penetrations

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+

FEATURES

- 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

PRODUCT INFORMATION

Product identifier	Sikacryl®-621 Fire+	
Place of manufacture	Overseas	
Composition	Acrylic dispersion	
Packaging	300 ml cartridge	12 cartridges per box
	600 ml foil pack	12 foil packs 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 300ml cartridge, Grey 300ml cartridge & 600ml foil sausage	
Density	~1.6 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Service temperature -20 °C min. / +70 °C max.

SUSTAINABILITY

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

LIMITATIONS OF USE

Sika is not responsible for the design of any joints or details in building elements or systems requiring a fire resistance rating (FRR)

APPROVALS / CERTIFICATES

- 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

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.

Skimming time ~15 min (+23 °C / 50 % r.h.) (CPQ 019-1)

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information

Address	Sika Supply Centre AG Industriestrasse 26 6060, Sarnen Switzerland
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Importer information

Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
Phone number	0800 745 269
Website	https://nzl.sika.com/
Email address	info@nz.sika.com
NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses

B2 Durability: Performance clause B2.3.1 - (b) 15 years
C3 Fire Affecting Areas Beyond the Fire Source. Performance clauses C3.1, C3.2, C3.3
F2 Hazardous Building Materials: Performance clause F2.3.1

Building Code compliance statements

Performance B2.3.1 (b) 15 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. nzl.sika.com. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2019.

Performance C3.1, C3.2, C3.3: This product has been fire tested in various combinations of sealed joints and /or penetrations with different dimensions and different building components. It contributes to meeting the requirements of C3 only when used in these tested combinations. All fire-rated joints must be designed and specified by a registered fire engineer. For more information, such as test certificates, refer to nzl.sika.com

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required

BASIS OF PRODUCT DATA

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

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IMPORTANT CONSIDERATIONS

- 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

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

DESIGN REQUIREMENTS

There are no specific Sika design instructions for this product, when used as a general purpose adhesive. Refer to the product data sheet for general information at nzl.sika.com

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

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

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

MAINTENANCE REQUIREMENTS

For full cleaning instructions refer to the document "Cleaning Instructions: Pulastic, Comfort and Acoustic Floors Part 1" available on www.sika.nz.

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 the 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

Sika (NZ) Limited

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