

SikaFiresil®

Flame-retardant sealant

Technical Product Data:

Chemical base	One-component silicone (neutral cure)
Colour	Grey
Density (DIN 53479) (uncured)	1,35 kg/l approx.
Stability (non-sag properties)	Good
Cure mechanism	Moisture-curing
Tack-free time ¹⁾	60 min. approx.
Rate of cure ¹⁾	2 mm per 24 hrs.
Shore A hardness (DIN 53505)	15 - 20
Tensile strength (DIN 53504)	1 N/mm ² approx.
Elongation at break (DIN 53504)	200% approx.
Application temperature	+5°C to +30°C
Service temperature	-60°C to +200°C
Shelf life (stored below 25°C)	9 months

¹⁾ At 23°C and 50% relative humidity

Description:

SikaFiresil® is a one-component neutral-cure silicone sealant which cures by reaction with atmospheric moisture to form a durable elastomer.

SikaFiresil® is manufactured in accordance with the ISO 9001/14001 quality assurance system.

Product benefits:

- One-component formulation
- Elastic
- Bonds well to a wide variety of substrates
- Resistant to ageing and weathering
- Easy to use and work

Cure mechanism:

SikaFiresil® cures by reaction with atmospheric moisture. At low temperatures the water content of the air is lower and the curing reaction proceeds somewhat more slowly.

Areas of application:

SikaFiresil® has been specially developed for use in fire-resistant glazing installations and for the sealing of joints that are required to meet fire safety standards. SikaFiresil® is also used to overcoat hardened SikaFirestop® when sealing movement joints.

Chemical resistance:

SikaFiresil® is resistant to water, sewage effluent, aqueous cleansing agents, motor oil, dilute acids and caustic solutions; temporarily resistant to fuels and solvents; not resistant to concentrated acids and caustic solutions.

The above information is offered for general guidance only. Advice on specific applications will be given on request.

Method of application:

Surface preparation. Surfaces must be clean, dry and free from all traces of grease. Where appropriate the adhesion of the sealant can be improved by treating the substrate with Sika adhesion promoters.

Application. Snip off the plastic tip above the threads. Cut off the tip of the nozzle to suit joint width and gun the sealant into the joint with a suitable hand-operated or compressed-air gun, taking care to avoid air entrapment. Once opened, packs should be used up within a short space of time.

Do not apply at temperatures below 5°C or above 35°C. The optimum temperature for substrate and sealant is between 15°C and 25°C.

Tooling and finishing. Tooling and finishing must be carried out within the tack-free time of the sealant. Finishing agents or lubricants must be tested for suitability / compatibility.

Overpainting. SikaFiresil® cannot be overpainted.

Removal. Uncured SikaFiresil® may be removed from tools and equipment with Sika® Remover-208. Once cured, the material can only be removed mechanically. Hands and exposed skin should be washed immediately using a suitable industrial hand cleanser and water. Do not use solvents!

Further information:

Copies of the following publications are available on request:

- Safety Data Sheet

Packaging information:

Cartridge	310 ml
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Important:

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Note:

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



Sika Australia Pty Limited

ABN 12 001 342 329

www.sika.com.au

55 Elizabeth Street

Wetherill Park NSW 2164

Tel: (02) 9725 1145

Fax: (02) 9725 2605