



SISTA F106 Oven & Chimney

SISTA F106 OFEN & KAMIN Silikon

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CHARACTERISTICS

SISTA F106 Oven & Chimney is a one component, ready-to-use, pure silicone sealant (acetox type) for sealing, bonding and high temperature protection applications.

- adhesion to many surfaces even at high temperature
- high temperature resistance: -50 to +250°C (short-term: +300°C)
- excellent UV-, weather and ageing resistance
- waterproof
- 100% silicone
- high modulus



APPLICATION FIELD

SISTA F106 Oven & Chimney can be used for:

- Various sealing and bonding work in areas exposed to high temperatures
- Elastic seals on heating, ventilation and air conditioning ducts (HVAC)
- Seals in oven areas, on heating appliances, heat exchangers, dryers, washing machines, etc.

INSTRUCTIONS FOR USE

SISTA F106 Oven & Chimney is supplied ready-to-use and can be applied from the original packaging with no special pre-treatment.

Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely.

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Priming

Although SISTA F106 Oven & Chimney will bond well to most surfaces it is recommended to use a primer on certain substrates to ensure a strong and uniform bond.

On steel, metals and plastics use primer P819 before application of SISTA F106 Oven & Chimney. In case of porous materials it is recommended to use primer P800.

Joint dimensions

When designing joints, ensure that they are sufficiently dimensioned and, to prevent three-sided adhesion, insert closed-cell PE backfill material such as SISTA joint filler profile into the joint.

As a general rule, professional, movement-compensating sealing of rectangular joints should start at a minimum joint width and depth of 5 mm to ensure permanent flank adhesion.

In general, the width should be at least 10 mm and no more than 35 mm. For joint widths up to 10 mm, the depth should be equal to the width; for joint widths between 10 mm and 35 mm, the depth should not exceed half the width.

For triangular joints, the width of the joint flanks must also be at least 5 mm.



Sealant application

Cut the cartridge above the thread, for example using the SISTA smoothing cutter, then screw on the cartridge tip and cut it to the width of the joint. Insert the cartridge into a gun. Apply the sealant without any bubbles.

Immediately, after application smooth the joint with slightly surfactant-containing water (max 5% soapy water) and a suitable smoothing tool. Smoothing ensures a tight bond between the sealant and the joint edges. Remove any tape immediately before surface skin is formed. Smooth over any proud sealant edges immediately.

Cleaning tools

Fresh silicone that has not yet set can be removed with spirit. The same applies to cleaning the tools. Cured sealant can only be removed mechanically with a suitable tool or by using a special silicone remover.

Please note

The joint must be cleaned and maintained regularly. Take care of a good and regular air circulation in the room where the sealant is applied. Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or big joint dimensions need longer curing speeds.

TECHNICAL DATA

Before curing

Type of silicone	Acetoxxy
Appearance	Paste
Density, (ISO 2811-1), g/ml	~1.25

Curing

Skin formation time (+23 °C / 50% RH), min	~20
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm), mm/day	~2
Application temperature, °C	+5 to +40

After curing

Shore A hardness (ISO 868)	~30
Max. joint width, mm	30
Change of volume (ISO 10563), %	~5
Temperature resistance, °C Short term, °C	-50 to +250 +300

Mechanical properties

Modulus at 50% elongation (ISO 8339-A), mm ²	~0.5
Elongation at break, (ISO 8339-A), %	~80

LIMITATIONS

For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

SISTA F106 Oven & Chimney must not be used on sensitive surfaces which could react with the acetic acid which is released during cure.

SISTA F106 Oven & Chimney is not recommended for structural glazing applications.

SISTA F106 Oven & Chimney is not recommended for joints that are in direct food contact.

SISTA F106 Oven & Chimney is not recommended for swimming pool joints, for aquarium joints or for applications under water.

SISTA F106 Oven & Chimney seals must not be over-painted (poor covering and adhesion of the paint).

Before using SISTA F106 Oven & Chimney on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist.

SISTA F106 Oven & Chimney is not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprene, etc.). Discolouration or reduction of adhesion properties could take place.

Application of SISTA F106 Oven & Chimney on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

SISTA F106 Oven & Chimney is not recommended for applications on PMMA (Plexiglass®), PTFE (Teflon®), polyethylene and polypropylene.

Packaging

Article abbreviation	Color	Container
SOK06	Red	Cartridge, 300ml

HEALTH AND SAFETY

It is recommended to consult the current safety data sheet for precautions and safety advice before starting processing.

The safety data sheet is available at www.mysds.henkel.com.

Information for allergy sufferers on Tel. 0049 (0)211 797 0 (keyword emergency)



The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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