



# SISTA

## F102 Natural stone

Technical Data Sheet v.1, September 2025

### CHARACTERISTICS

SISTA F102 Natural stone is a ready-to-use, single-component, fungicide-treated, natural stone silicone (alkoxy type). For sealing work on natural stone and many other common building substrates in indoor and outdoor areas, as well as for sanitary sealing.

SISTA F102 Natural stone combines the advantages of a neutral silicone with excellent primerless adhesion properties and good mildew resistance.

- can be used on substrates such as marble, granite, sandstone, quartzite, travertine, Solnhofen slabs; no staining of joint edges
- resistance to fungal growth
- 100% silicone
- low modulus
- 25% movement capability
- smooth and glossy appearance which allows it to be in harmony with today's sanitary equipment
- excellent UV-, weather and ageing resistance
- non-staining, no contamination of joint edges through plasticizers
- can be used with aqueous or solvent-based coating compounds; no plasticizer migration
- rapid crosslinking; quickly becomes tack-free
- primerless adhesion to most materials
- non-corrosive to metals
- suitable for alkaline substrates such as concrete, mortar, fibrous concrete
- odourless during application
- waterproof
- good resistance against conventional cleaning products and a lot of chemicals

### APPLICATION FIELD

SISTA F102 Natural stone can be used for:

- natural substrates and other substrates commonly used in construction, including alkaline substrates
- sealing joints in interior and exterior facades
- sanitary applications
- cladding of natural stone or other materials



## INSTRUCTIONS FOR USE

SISTA F102 Natural stone 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.

### 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.

### Priming

Although SISTA F102 Natural Stone 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 F102 Natural Stone. In case of porous materials it is recommended to use primer P800.

### 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 suitable 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

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	Alkoxy
Appearance	Paste
Density, (ISO 2811-1), g/ml	~1.02

### Curing

Skin formation time (+23 °C / 50% RH), min	~15
Curing speed (+23 °C / 50% RH, cross-section of joint 20x10mm), mm/day	~2.5
Application temperature, °C	+5 to +40

### After curing

Shore A hardness (ISO 868)	~20
Movement capability, (ISO 11600), %	25
Max. joint width, mm	30
Change of volume (ISO 10563), %	~6
Temperature resistance, %	-50 to +120

### Mechanical properties

Elastic recovery (ISO 7389-A), %	~75
Modulus at 100% elongation (ISO 8339-A), N/mm <sup>2</sup>	~0.35
Elongation at break (ISO 8339-A), %	~250

## LIMITATIONS

SISTA F102 Natural stone is not recommended for joints that are in direct food contact.

SISTA F102 Natural stone is not recommended for structural glazing applications.

SISTA F102 Natural stone is not recommended for swimming pool joints, for aquarium joints or for applications under water.

SISTA F102 Natural stone seals must not be over-painted (poor covering and adhesion of the paint).

Before using SISTA F102 Natural stone on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist.

SISTA F102 Natural stone is not recommended for applications on PMMA (Plexiglass®), PTFE (Teflon®), polyethylene and polypropylene. Discolouration or reduction of adhesion properties could take place.

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



**Storage**

Store SISTA F102 Natural stone in a dry place between 5°C to 25 °C.

Shelf life is 15 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

**Packaging**

Article abbreviation	Color	Container
SNSA2	Anthracite	Cartridge, 300ml
SNST2	Transparent	Cartridge, 300ml
SNSG2	Natural grey	Cartridge, 300ml
SNSW2	White	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](http://www.mysds.henkel.com).

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



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