Technical Data Sheet v.1, June 2026

SISTA
R430 Fassadenriss

One-part acrylic sealant & crack filler with a plaster-like finish and coarse texture

CHARACTERISTICS

SISTA R430 Fassadenriss is a 1-part, water-based acrylic joint sealant and crack filler for indoor and outdoor use. It cures to a plaster-like finish with a coarse texture, making it ideal for sealing cracks in facades and sealing joints where a robust, textured appearance is required.

- Plaster-like appearance with coarse texture
- Excellent workability and tooling
- Overpaintable after curing (see “Notes on Application”)
- Very good paint compatibility
- Strong adhesion to many common construction substrates without primer
- Adheres even to damp and absorbent substrates without the need for primer
- Virtually odourless formulation
- High durability
- Solvent-free

APPLICATION FIELD

- Sealing and filling cracks in facades, walls and ceilings
- Sealing connection joints and cracks on common construction substrates such as concrete, plaster, brick, plasterboard, aluminium, wood, PVC, etc.

STANDARDS

Conforms to EN ISO 11600	Class F-12,5P, sealant for building construction
Conforms to EN 15651-1	Class F-12,5P
GEV EMICODE®	EC 1^{plus} (very low emissions)
VOC emission class (France)	Class A+
EN 13501-1	Reaction to fire: Class E

INSTRUCTIONS FOR USE

SISTA R430 Fassadenriss is supplied ready to use and can be applied from the cartridge using a standard cartridge gun, with no special pre-treatment.

1. Sealing of joints

The joint width must be designed to suit the movement capability of the sealant.

- In general, the joint width should be >10 mm and <30 mm if movements are expected. A width to depth ratio of ~1:0.5 should be maintained.
- For triangular joints the sides should be 6 mm minimum.

Application

Cut the cartridge above the thread, then screw on the cartridge tip and cut it to required joint width. Place the cartridge into a sealant gun and apply the sealant ensuring full contact with both joint sides and avoiding air entrapment.

Joint preparation

The substrates to seal should be clean, dry and free of dust, oils, grease and loose particles. Where necessary completely remove old sealant and other residues. Surfaces can be degreased with the appropriate cleaner. Porous substrates (e. g. concrete, plaster, wood…) should be wetted well before applying the sealant. To produce optically neat joints, we recommend masking off joint edges with an appropriate tape. After joint and substrate preparation, insert a suitable backing rod (closed cell, PE-foam backing rods) to limit the joint depth and to prevent three-sided adhesion.

2. Sealing / Filling of cracks

Crack preparation

Widen cracks (recommendation: >1 mm) with a suitable tool and completely remove all loose particles. The substrates to seal must be clean, dry, and free from dust, oil, grease, and loose particles. If necessary, completely remove the old sealant and other residues. Surfaces can be degreased with the appropriate cleaner.

Application

Cut the cartridge above the thread, then screw on the cartridge tip and cut it to the needed width. Place the cartridge into a sealant gun and apply the sealant into the crack, ensuring full contact with both sides of the crack and avoiding air entrapment.

Tooling

1. Directly after application, smooth the sealant with a suitable tool.
2. To do this, the sealant or the tool can be litghtly sprayed with a smoothing agent (e.g. water) and then smoothed off.
3. Remove the masking tape before skin formation. If required, to imitate plaster textures, while the sealant is still fresh, lightly dab the surface with a dry brush.
4. Protect the freshly applied sealant from exposure to water (e.g., rain) until a skin has fully formed.

Cleaning tools

Fresh, uncured product can be removed with water. Clean tools and application equipment with water immediately after use. Cured sealant is insoluble in all solvents and can only be removed mechanically (e.g. with knife).

TECHNICAL DATA

Uncured product		
Base	Acrylate dispersion, water-based	
Odour	Characteristic	
Application temperature, °C	5 - 40	(substrate and ambient)
Consistency	Non-slump paste	
Density, g/cm^3	~ 1.65	(ISO 2811-1)
Resistance to flow, mm	~ 0	(ISO 7390)
Skin formation time, minutes	~ 25	(23°C, 50% r.h.)
Curing speed, days/mm	~ 10/5	(23°C, 50% r.h., bead 20x10mm)

Cured product		
Odour	Odourless	
Shore A hardness	~ 15	(ISO 868)
100% Modulus, N/mm^2	~ 0.1	(ISO 8339-A)
Elongation at break, %	~ 240	(ISO 8339-A)
Shrinkage, %	~ -22	(ISO 10563)
Movement capability, %	12.5	
Recommended joint width, mm	max. 30	
Service temperature, °C	-20 - 80	

LIMITATIONS

Sealants may only be painted over if the coating is able to follow the movements of the sealant (in general if joint movements are <5%, depending on the coating) – otherwise cracks in the surface of the coating can occur. Depending on the thickness of the application, SISTA R430 Fassadenriss should be coated no earlier than the following day. The product can be painted over with commercially available paint, varnish and glaze systems. Given the wide variety of coating systems available on the market, we always recommend carrying out your own compatibility tests in advance.

Do not apply SISTA R430 Fassadenriss when rain or frost is imminent. Protect it from rain until a tough outer layer has formed, for at least an hour. During curing the product must be protected from frost. After curing the product is waterproof and frost resistant. Application during high temperature changes is not recommended (crack formation due to movements during the curing). Do not use SISTA R430 Fassadenriss as glazing sealant, in floor joints, movement joints in exterior walls, on marble/natural stones, on bituminous substrates, natural rubber, chloroprene, EPDM or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant. Do not use on easy corroding substrates like blank steel, iron etc. Not suitable for joints with water pressure or joints with permanent water immersion (underwater systems, sanitary installations, flooring joints, balconies and terraces). Do not use SISTA R430 Fassadenriss to seal bathtubs or washbasins. Color deviations may occur e. g. due to exposure to chemicals or high temperatures. However, a change in colour does usually not affect adversely the technical performance or the durability. For further information and in case of application fields which are not mentioned in this data sheet please contact your local Henkel representative.

GENERAL INFORMATION

Surfaces
The product is suitable for many types of construction materials: concrete, brick, fibre-concrete, painted metals, lacquered aluminium, anodized aluminium, wood, PVC etc. No adhesion to PE, PP, PTFE(Teflon®). Not recommended for marble, tile, ceramics. On plastics and paints the adhesion properties should be tested before use. In cases of unknown materials or critical applications adhesion tests are recommended or contact our Technical Service.

Storage
18 months from date of production if stored in unopened original cartridges, in dry conditions and protected from direct sunlight at temperatures between 5 - 25ºC.

Chemical resistance
The product is not recommended for applications with permanent contact with chemicals. Poor resistance to aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydrocarbons, detergents. In cases of other chemicals contact our Technical Service.

Packaging

Abbreviation	Color	Containers
L53W	Old white	Cartridge 300 ml

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

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