

STANLEY® S 421 ALL PURPOSE RTV SILICONE™



DESCRIPTION

STANLEY S 421 ALL PURPOSE RTV SILICONE is one component, acetoxy curing, high quality, silicone sealant that provides a permanent flexible, durable, watertight seal in general sealing and glazing applications. It also performs as an excellent adhesion on glass and many other non-porous surfaces such as, ceramics, enamel, porcelain, coated wood, painted surfaces, canvas, stainless steel, aluminum, some rubbers, and some plastics.

PRODUCT FEATURES

- Stays permanently elastic after curing
- Remains flexible in low and high temperatures
- Resistant to temperature extremes
- Resistance to aging, cracking, and discoloring
- Antibacterial. Mold-proof

APPLICATIONS

- Sealing around windows and doors
- Sealing in professional and DIY applications
- Bathroom, kitchen, and plumbing applications
- Connection and expansion joints on glass, porcelain, steel etc
- Sealing electric, telephone etc. sockets and switches

PRODUCT INFORMATION

PACKAGING	Net 10.1 Fl Oz. / 300 ml plastic cartridges
	12 pcs in box
SHELF LIFE	18 Months
STORAGE	In a cool and dry environment, between +41°F to +77°F.
COVERAGE	Reference: www.stanleychem.com/en/joint-sealant-calculator
SKU	COLOR
SXSE1020-01	White
SXSE1021-01	Clear
SXSE1022-01	Translucent Clear
SXSE1023-01	Gray
SXSE1024-01	Brown
SXSE1025-01	Black

DIRECTIONS FOR USE

- **SURFACE PREPARATION:** Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Non-porous surfaces (such as aluminum, glass, etc.) must be free of any coatings and should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles or residues with a jet of compressed air, sandpaper or hard brush. Mask off joint edges with self-adhesive tape as protection from contamination.
- **BACKING MATERIAL:** Use a polyethylene bond breaker tape or backer rod to adjust the joint depth to proper width/depth ratio and to avoid three side adhesion which restrict the movement capability of the sealant. Backer rod must be at least wider 25% than the joint width.
- **APPLICATION METHOD / TOOLS:** Recommended application and surface temperatures: +41°F and +104°F. Cut nozzle to obtain desired bead size. Apply the sealant as evenly as possible by using a professional caulking gun.
- **TOOLING AND FINISHING:** Tool the joint surface with a smoothing tool ensuring the sealant a full contact to the sides and backup material into the joint before skin formation. Remove the masking tapes immediately after smoothing over the surface of the sealant.
- **CLEANING:** Uncured product may be easily removed with damp sponge. Cured products must be removed mechanically. Hands can be cleaned with warm water and soap.



Scan the QR Code to see the full line of Stanley Products

KEY FEATURES

- ALL MATERIAL GENERAL USE
- INDOOR & OUTDOOR
- SUPERIOR ADHESION



STANLEY® S 421 ALL PURPOSE RTV SILICONE™

TECHNICAL DATA

PARAMETER	TEST METHOD / CONDITIONS	VALUE
UNCURED SEALANT		
BASIS		Silicone
CURING MECHANISM		Acetoxy
SAGGING	ISO 7390	0 inch
DENSITY	ISO 1183-1	8 ± 0,2 (lbs. per gallon)
SKIN FORMATION TIME	Internal (73°F and 50% R.H)	8-20 min
DRYING RATE	Internal (73°F and 50% R.H)	Min. 0,1"/day
CURED SEALANT		
SHORE A HARDNESS	ISO 868	15-25
ELONGATION AT BREAK	ISO 37 (4 mm thickness) (45 days 73°F and 50% R.H)	≥%350
TENSILE STRENGTH	ISO 8339	≥101 psi
SERVICE TEMPERATURE	Ambient and surface	Between -40°F and +356°F
APPLICATION TEMPERATURE	Ambient and surface	Between +41°F and +104°F

LIMITATIONS

- Not suitable in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not over paintable.
- Not recommended to use on porous surfaces like marble, natural stone, concrete etc.
- Not recommended to use on mirrors and sensitive metals like copper, brazen, lead.
- Not recommended to use in conjunction with bitumen asphalt, neoprene, and certain organic elastomers.
- Not suitable for food contact applications.
- Can yellow if exposed to bleach or HCl based brick cleaners whilst curing.

SAFETY


Ensure good ventilation of the workstation. Wear personal protective equipment. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions, or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

25.03.2025 rev.1

BEST TO USE WITH

	SKU NUMBER	PRODUCT NAME
	SXAC0423-01	PRO-CG2 Caulking Gun
	SXAC0426-01	Smoothing Tool Set
	SXAC0428-01	Cartridge & Nozzle Cutter