

PRODUCT DATA SHEET

Date: 01.09.2019

FINOTECH® SQ-500

Weatherproof Silicone Sealant

Description

FINOTECH® SQ 500 Weatherproof Silicone Sealant is a one-component, neutral-cure, low-modulus sealant specially designed for general glazing and weather sealing in curtain wall and building facades. It can be easily extruded in any weather and cures at ambient temperature by reaction with moisture to form a durable, flexible silicone rubber seal.

Features

- Durability - Excellent weatherproofing capability and unaffected by sunlight, rain, snow, ozone.
- Ease of Application – ready to use as supplied
- Neutral Cure - excellent unprimed adhesion to a wide variety of substrates including coated glass; anodized and painted aluminum profiles e.g., PVDF, PEPC
- Low modulus +/- 50% movement capability
- Optimized non stain properties on glass
- Availability of FINOTECH® primers for critical surfaces
- Compatible with other FINOTECH® silicone sealants
- Low sag or slump – suitable for horizontal, vertical, overhead joint applications
- Low VOC, no odor smell, no corrosion
- Thermal stability
- Meets specifications ASTM C920 class 50

Product Characteristics

SQ-500 Properties (23°C, 50% RH)			
Property	Method	Unit	Value
Chemical Base			RTV-1 Silicone
Color			See color chart
Specific Gravity		g/ml	1.35 ± 0.05
Flow Properties	ISO 7390	mm	0
Skin Time		min	<60
Tack Free Time	ASTM C679	min	<180
Curing rate		mm/ 24 hours	>2
Hardness	ASTM		20~30

	C661		
Cycle Movement	ASTM C719	50%	No bond failure
Ultimate Tensile Strength	ASTM D412	MPa	>1.5
Ultimate Elongation	ASTM D412	%	>800
100% Tensile Modulus	ASTM D412	MPa	0.3~0.4
Elastic recovery	EN ISO 7389	%	>90
Application Temperature		°C	5~40
Service Temperature Range		°C	-50~150

Approvals/Specifications

Meets the requirements of ASTM C920 50 CLASS

Application

1. **Cleaning:** Clean the surface by proper solvent and remove contaminants such as grease, oil, dust, water, frost, dirt, residual sealants or glazing aids and protective films.
2. **Priming if applicable:** FINOTECH® SQ-500 shows excellent primer less adhesion to many commonly used construction materials. However, some materials with variable surface characteristics may require primer to develop durable long-term adhesion. Prior to use, trial applications should be made to verify adhesion to the specific materials used on the project. Pls. note primer application could require application knowledge as those may contain solvents. When handling solvents, refer to manufacturer's Material Safety Data Sheet (MSDS) for information on handling, safety, and personal protective equipment.
3. **Limitation:** FINOTECH® SQ-500 should not be used of other applications than described in this data sheet. All building materials (e.g., tapes; gaskets; sealants; etc)



with contact the product should be tested prior to the installation for compatibility purposes. The joint design should allow a certain ventilation to secure proper curing. For constant underwater joints, food contact, fire resistance or paintable sealants pls. refer to specialized FINOTECH® grades. Before application the surface should be dry and free of greases, oil, and dust. Pls. don't apply on mill finished aluminum.

Packaging

FINOTECH® SQ-500 is available in:

- 1) 300 ml cartridge (24PCS/CTN)
- 2) 600ml sausage (2PCS/CN)

Shelf-life and Storage

When stored at or below 30°C in the original and unopened packaging, FINOTECH® SQ-500 has a shelf life of 12 months from the date of manufacture. Refer to product packaging for "Manufacturing Date".

Handling Precautions

Product safety information required for safe use is not included in this document. Before handling, read product and material safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the FINOTECH Website (www.finotech.ch).

Health and Environmental

To support Customers in their product safety needs, FINOTECH has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available. For further information, please see our website www.finotech.ch or consult your local FINOTECH representative.

Limited Warranty

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestion of use shall not be taken as inducements to infringe any patent. FINOTECH's product warranty confirms our products will always meet the technical data sheets values for the duration of the granted shelf-life if all advises given by FINOTECH through application, storage and handling guidelines have been followed up correctly. Customers can be asked to protocol and proof that the guidelines were followed. FINOTECH specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability others than described in our technical data sheets. FINOTECH's product warranty disclaims liability for any incidental or consequential damages. Further building project warranties could be given at request by the clients following the FINOTECH SQM Building Warranty testing and consulting procedures.