

PRODUCT DATA SHEET

Date: 01.01.2024

FINOTECH® SQ-600

Fire Stopping Silicone Sealant

Description

FINOTECH® SQ-600 is a Fire Protection one-component neutral curing silicone sealant with good adhesion to most construction materials without primer. It cures to form a durable and elastomeric rubber for multiple purpose sealing and bonding applications in fire rated building components e.g. wet sealing glass to frame. It is also recommended for construction application like as for sealing joints and connection joints in between room-sealing wall, rainscreen facades and cladding applications.

Features

- 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.
- Weather- and ageing-resistant, good UV resistance
- Low modulus +/- 50% movement capability
- Low sag or slump – suitable for horizontal and vertical overhead joint applications
- Permanently flexible
- High thermal stability
- Low VOC, no odor smell, no corrosion

Product Characteristic

SQ-600 Properties (23°C,50% RH)			
Property	Method	Unit	Value
Chemical Base			RTV-1 Silicone
Density		g/cm ³	1.35 ±0.05
Skin Time		min	< 60
Curing Rate		mm/24hrs	> 2
Tack Free Time	ASTM C679	min	< 180
Hardness	ASTM C661		20-30

Cycle Movement	ASTM C719	50%	No bond failure
Elongation	ASTM D412	%	> 800
Tensile Strength	ASTM D412	MPa	1,5
Application Temperature		°C	app.5 to 40
Service Temperature Range		°C	App.- 50 to 150
Fire Classification	EN 13501-1	Class	B-s1.d0

Approvals/Specifications/Certifications/Tests

- ift Rosenheim GmbH, Classification report No. 21-003211-PR03 , Classification of reaction to fire DIN EN 13501 -- **Class B-s1,d0**

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-600 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
3. **Safety Data Sheet (MSDS)** for information on handling, safety and personal protective equipment.



4. Limitation: FINOTECH® SQ-600 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 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-600 is available in:

- 1) 300 ml cartridge (24 pcs/box)
- 2) 600ml sausages (20 pcs/box)

Colors

FINOTECH® SQ-600 is available in black and white. Other colors are available upon request.

Shelf-life and Storage

When stored at or below 30°C in the original and unopened packaging, FINOTECH® SQ-600 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

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 meet always 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 particular request by the clients following the FINOTECH SQM Building Warranty testing and consulting procedures.