

## PRODUCT DATA SHEET

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# FINOTECH® SQ-200

# Structural Glazing Silicone Sealant

### Description

FINOTECH® SQ-200 Silicone Sealant is a one-component, neutral-cure, high-modulus silicone sealant designed specifically for structural glazing applications of glass and metal in factory and onsite. It can be extruded under different weather conditions 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
- Availability of FINOTECH® primers for critical surfaces
- High tensile strength – increased safety factor in SSG application
- Compatible with FINOTECH® SQ IG and SG sealants. Pls. check with technical service further grades
- Low sag or slump – suitable for horizontal, vertical, overhead joint applications
- No odor smell, no corrosion
- Low VOC
- Thermal stability
- Meets major structural glazing specifications (ASTM C1184, ASTM C920 GB 16776-2005)

### Product Characteristics

SQ-200 Uncured Properties (23°C, 50% RH)			
Property	Method	Unit	Value
Color			Black
Specific Gravity		g/ml	1.36±0.02
Extrudability	ISO 9048	s	1~3
Tack Free Time	ASTM C679	min	40~80
Sag/Slump	ASTM D2202	mm	0
Heat Weight Loss	ASTM C1184	%	2~4
Cured Properties (21 days after cure, 23°C, 50% RH)			
Durometer	ISO 7619-1	Shore	45±5

Hardness,		A	
Tensile Strength at 10% extension	ASTM C1184	MPa	0.18~0.26
Tensile Strength at 20% extension	ASTM C1184	MPa	0.30~0.38
Tensile Strength at 40% extension	ASTM C1184	MPa	0.55~0.72
Ultimate Tensile Strength	ISO 8339	MPa	1.00~1.22
Ultimate Elongation	ISO 8339	%	130~180
Application Temperature Range		°C	-5~40
Service Temperature Range (after cure)		°C	-50~150

### Approvals/Specifications

Meets the requirements of ASTM C920 25 CLASS, ASTM C1184, GB 16776-2005.

### 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-200 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-200 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-200 is available in:

- 1) 300ml cartridge (24PCS/CTN)
- 2) 600 ml sausage (20PCS/CTN)
- 3) 260 kg drum

### Shelf-life and Storage

When stored at or below 30°C in the original and unopened packaging, FINOTECH® SQ-200 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](http://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](http://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 procedure.