

PRODUCT DATA SHEET

Date: 01.11.2021

FINOTECH® SQ-625

Intumescent Fire Stop Acrylic Sealant

Description

FINOTECH® SQ-625 is a one component, ready to be used, acrylate sealant for indoor use in fire stop applications. It is being recommended for sealing connections and joints with moderate tensile stress and without constant exposure to moisture. After being fully cured SQ-625 expands during fire load (intumescent, forms an inorganic crust which is unaffected by fire) providing a fire barrier and stopping the passage of smoke and flames through the sealed joints.

Application

Interior joint seals where a low movement, fire-rated joint is required, for example:

- Low movement joints in fire walls, partition walls, door and window frames, etc.
- Sealing of gaps around pipes, cables, ducts and services which penetrate fire-rated walls.
- Filling gaps in concrete and plaster.
- Adhesion to most common building substrates.
- Durable. Permanently flexible.

It is not recommended to be used in the sanitary sector, on marble/natural stone, in underground applications, on bituminous, tar containing or plasticizer releasing substrates, on untreated (unprimed) metal substrates and for joints in going contact with moisture, e.g. concrete surfaces in contact with the soil.

Features

- Withstands fire for 2 hours
- Ease of Application – ready to use as supplied
- Halogen, solvent and asbestos free
- Water base, NO odor
- Compatible with Paints
- Prevents the passage of fire and hot gases
- Adhesion to most common building substrates
- Durable, permanently flexible

Approvals/Specifications/Certifications/Tests

2 hours according to BS 476 Part 20

Product Characteristics

SQ-621 Properties (23°C,50% RH)			
Property	Method	Unit	Value
Fire Resistance Classification	BS 476 Part 20	hour	2
Consistency			Non slump paste
Expansion rate		times	app.5
Density	DIN EN ISO 2811-1	g/cm ³	1.5 ±0.01
Skin forming time	At 23°C; 50% R.H.	min	5 to 8
Application temperature		°C	5 to 40
Shore A hardness			20
Joint movement capability	:	%	12,5
Elongation at break		%	300

Surface Preparation

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint & old caulking. Prime bare surfaces before caulking goggles & chemical resistant gloves. Thoroughly rinse surface & allow to dry completely before caulking & painting.



Clean up

Wipe excess with dry towel or paper towel prior to cure. Wash skin with mild soap & water. Clean tools with mineral spirits prior to cure. Cured sealant may be removed using a razor blade taking care not to undercut seal to substrate.

For Best Results

- Apply caulk in temperatures between +5°C to +40°C
- Store caulk between +5°C to +25°C
- Do not use for joints subject to heavy abrasion or wear
- Do not attempt to thin caulk
- Prime bare surfaces before caulking
- For a neat, straight bead edge, mask both sides of joint with masking tape. Remove promptly before skin forms
- Do not "overtool" the applied caulk, leaving too little caulk to perform, following cure
- Allow 2 to 6 hrs. drying before painting, depending upon climatic conditions.
- Use a premium paint

Limitations

- Apply only to clean, dry, frost-free surfaces
- Do not apply when rain or freezing temperatures are expected
- Protect from rain & exposure to water for 72 hrs
- Not recommended for use in marine applications, below grade applications or under water applications
- Not recommended for use on automobiles or aquariums

Packaging

300ml cartridge and 600ml sausage

Colors

FINOTECH SQ-625 is available in White and Grey. Other colors are available upon request..

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).

Storage and shelf life

FINOTECH SQ-621 acrylic sealant has a shelf life of 12 months if stored in a cool (below 25°C), dry place in its original moisture-tight container. However, if the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable, apply-able and uncured. KEEP FROM FREEZING.

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.

Note

The function of the product can only be guaranteed if correctly applied in accordance with the technical recommendations given in this data sheet and in related standards. Sealant application in situations with strongly fluctuating temperatures (premature stressing of the sealant) should be avoided.

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.