

PRODUCT DATA SHEET

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FINOTECH® SQ-901

Cyanoacrylate – Fast-Setting Adhesive

Product description

FINOTECH® SQ-901 is a modified cyanoacrylate fast setting assembly adhesive. Example for application is in the building components industry to fix EPDM seals in window, façade and vitrine construction.

Features

- locks
- bonds within seconds
- Short time to reach functional strength for assembly works
- Good adhesion characteristics to different surfaces
- Solvent-free
- Good wetting of the substrate
- hard adhesive joint
- Extremely short fixing times
- Very high strengths
- Good UV-stability
- Highly frost- and heat-resisting

Product Characteristics

SQ-901 Properties (23°C, 50% RH)			
Property	Method	Unit	Value
Density	EN 542 at 20°C	g/m ³	1.05
Viscosity	Cone and plate (300 s ⁻¹)	mPa*s	20
Strength	PVC/PVC	s	8
	EDPM/EPDM	s	4
Gap bridging		mm	Max 0.1
Curing time	At +20°C, 50% r.H.	h	16
Processing temperature	Adhesive and substrate	°C	+5 to +30

Application and General Information

In principle, CA-adhesives cure by means of air and material humidity. This means that ambient conditions, material and condensation humidity on the surfaces to be glued, thickness of applied adhesive layer and press power, as well as surface roughness of the materials to be glued significantly influence the process.

The chemical characteristics of the surfaces to be glued, e.g. pH-value, variations of raw material characteristics, surface coatings, as well as corrosion and contamination have a significant effect on the desired bonding strength.

Pressing times strongly depend on material and adhesive temperature.

Bonding of materials with different longitudinal extension must be assessed regarding their long-term behavior, especially when they are exposed to fluctuating temperature ranges.

Please, consider the relevant Technical Data Sheets of the recommended products mentioned above.

Open time, as well as the necessary pressing time, can only be determined accurately by self-tests because they are strongly influenced by material characteristics, temperature, applied quantity, air humidity, material humidity, thickness of adhesive film, press power, and other criterions. Usually, appropriate safety factors are considered for the guiding values.

To achieve a durable resistance to penetration of rain, the ift-Rosenheim recommends additional bonding of the section corner on the glass pane using neoprene rubber filler or sealing compound for bonding the external glass strip seals in window construction.

Preparation

Acclimatize the product before the application.

The surfaces of the workpieces to be bonded must be dry, and free from dust and grease.

If silicon, TPE sections and polyolefins are bonded, they are to be pretreated with primer COSMO SP-840.110. The variety of materials requires to carry out some preliminary tests yourself.



Bonding

Apply the adhesive from the trading unit or by means of a CA-dosing unit onto one side.

Immediately after application, the workpieces must be fit together and pressed until they reach the required functional strength. To reduce the pressing times, or to accelerate curing of cyanoacrylate adhesives in thicker bonded joints >0.10 mm, the accelerator COSMO SP-860.120 is to be used.

Bonding of metals

Bonding of aluminium, copper, brass: only on chemically pretreated or varnished surfaces; these materials cannot be durably bonded to be age-resistant without appropriate pretreatment of the surfaces to be glued.

Due to their variety, age and, if necessary, additional treatment with oil or wax, anodized surfaces do not allow any general statement about wettability or bonding characteristics of these bonding surfaces.

Packaging

PE-bottle, net weight: 20 g
PE-bottle, net weight: 50 g
PE-bottle, net weight: 500 g
Other trading units on request.

Shelf-life and Storage

Store the hermetically closed original trading units, in a dry place at temperatures of +15 °C to +25 °C no direct sun radiation. While transported within the usual transport times, the product may be exposed to temperatures from -15 °C to +35 °C. Storage life in unopened original packagings: 12 Months.

Optimum storage at temperatures from +2 °C to +8 °C.

During the storage time, viscosity is increasing, reactivity is decreasing.

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.

Please, also consider the Safety Data Sheet!