

PRODUCT DATA SHEET

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FINOTECH® SQ-710

OST- Fast Grab Assembly Adhesive

Product description

FINOTECH® SQ-710 is an elastic single-component OST adhesive with very high initial tack. The product is particularly designed to speed bond panels, profiles, tiles, and other commonly used pieces using the high green strengths of the system. Right after vertical and overhead application it holds the substrates in position until the fast-curing mechanism will build the chemical adhesion.

Features

- Very high initial tack (≥ 140 kg/sqm if load is parallel to adhesive layer), especially well-suited for vertical or overhead-applications
- Very good adhesion, e.g. on metals, wood, PVC, ceramics, glass and natural stone
- Ageing and weather-resistant, good UV resistance
- Free of isocyanate
- Compatible with paints (DIN 52452-4), can be overpainted

Product Characteristics

SQ-710 Properties (23°C, 50% RH)			
Property	Method	Unit	Value
Density	DIN EN ISO 2811-1	g/cm ³	1.58 \pm 0.06
Skin forming time		min	app. 5
Cure rate	within first 24h	mm	app. 2,5
Slump	ISO 7390	mm	≤ 2
Penetration	DIN 51570 / 5 sec	1/10 mm	140 \pm 30
Shore A	DIN 53505	units	70 \pm 7
Tensile modulus	DIN EN ISO 8339-A, 100%	N/mm ²	App. 0.1
Mass loss	DIN EN ISO 10563	%	3
Application temperature	Adhesive and substrate		+10 to +35° C

Temperature stability	Fully cured		-30 to +80°C
Shelf life	Original closed packages		12 months

Application

Substrate pretreatment: The substrate must be dry, firm, and free of dust and grease (clean with isopropanol, if necessary). On loose substrates (e.g. plasterboard), a solidifying pre-treatment will be necessary. For coated substrates (paints, lacquers), the compatibility to the adhesive must be tested.

In areal applications, at least one of the substrates involved must be water-permeable (concrete, wood). Apply adhesive as a bead to the substrate and spread with a toothed spatula, if necessary. Fix work piece to be bonded with slight pressure to the substrate. Remaining thickness of adhesive should be at least 1 mm.

If both bonding faces are water-impermeable (metals, plastics), the adhesive on the work piece must be supplied with water (very fine mist) before bonding, to guarantee the necessary amount of water for curing. Immediately after applying moisture, fix with revolving movement (mixes moisture and adhesive) to the substrate. In case of very high weight of work pieces involved it may be necessary to fix the bond until the adhesive has fully cured.

Fresh adhesive residues can be removed with solvents (hydrocarbon, C6 - C7). Cured adhesive can only be removed mechanically. If fully cured, residues can be disposed (municipal or commercial waste).

Important remarks The function of the adhesive can only be guaranteed if correctly applied in accordance with the technical recommendations given in this data sheet and in related standards. Adhesive application in situations with strongly fluctuating temperatures (premature stressing of the adhesive) must be avoided.

When bonding larger work pieces with differing thermal expansion coefficients (e.g. metal on wood), the longtime-stability of the bond must be assessed by the user with regard to expected temperature changes. Humidity-related changes in length (e.g. swelling/shrinking of wood) must be taken into account, too.



The adhesive is compatible with many paints and lacquers. Owing to the large number of different coating systems on the market, own tests concerning adhesion and compatibility must be performed prior to application.

Especially on powder-coated substrates, adhesion has to be tested carefully, since it can be affected negatively depending on the coating used (may even vary for different colors of the same brand of powder coating).

In contact with bituminous, tar- or plasticizer-releasing substrates (e.g. EPDM, neoprene, butyl), discoloration and/or loss of adhesion may occur.

Good ventilation must be provided during application and curing to allow curing by-products to evaporate. Low temperatures, low humidity, and joint depths above 15 mm can retard skin formation and curing significantly.

Packaging

FINOTECH® SQ-710 is available in:

- 300 ml cartridges
- 400 ml and 600 ml sausage bags
- other package sizes available on request

Shelf-life and Storage

When stored above 5°C and below 30°C in the original and unopened packaging, FINOTECH® SQ-710 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.