

PRODUCT DATA SHEET

Date: 01.01.2022

FINOTECH® JS 606

Structural PV-Assembly Silicone

Description

FINOTECH® JS 606 is a one component RTV Silicone designed and tested for the assembly of PV module frame and the adherence of junction boxes to most common composite back plates.

Features

- Neutral cure, non-corrosive, resistant to ozone and chemical corrosion
- Excellent electrical insulation and weather resistance, good to be used between -40°C and +200°C
- Excellent adhesion to aluminum, glass, composite back plates, PPO
- Passed the "Double 85" high temperature and humidity test cycles
- UL 94 HB tested

Product Characteristics

Finotech® JS 606 (23°C, 50% RH)			
Property	Method	Unit	Value
Chemical Base			One-component Neutral Cure Silicone
Color			White; Black
Specific Gravity		g/ml	1.45±0.05
Tack Free Time	GB/T 13477	min	<15
Durometer Hardness	ISO 7619	Shore A	40 - 60
Ultimate Tensile Strength	ASTM D412	MPa	≥2.0
Ultimate Elongation	ASTM D412	%	≥250
Volume resistivity,	GB/T1692	Ω.cm	≥1 x 10 ¹⁴
Disruptive strength	GB/T1695	KV/mm	≥ 17
Shear strength	GB/T7124	MPa	≥ 1.2

Fire resistance, UL	UL94		HB
Service Temperature Range		°C	-40~200

Application

1. **Cleaning:** All surfaces must be clean, dry and dust free. Degrease and wash off any contaminants that could impair adhesion. Suitable solvents include isopropyl alcohol, acetone, or methyl ethyl ketone.
2. **Limitation:** FINOTECH® JS 606 should not be used of other applications than described in this data sheet. All materials (e.g. tapes; gaskets; sealants; etc) with contact to the product should be tested prior to the installation for compatibility purposes. The joint design should allow a certain ventilation to secure proper curing.

Packaging

FINOTECH® JS 606CHUN is available in:

- 1) 310 ml cartridge
- 2) 400 / 600 ml sausage
- 3) 5-gallon pails
- 4) 55-gallon drums

Shelf-life and Storage

When stored at or below 27°C in the original and unopened packaging, FINOTECH® JS 606 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.