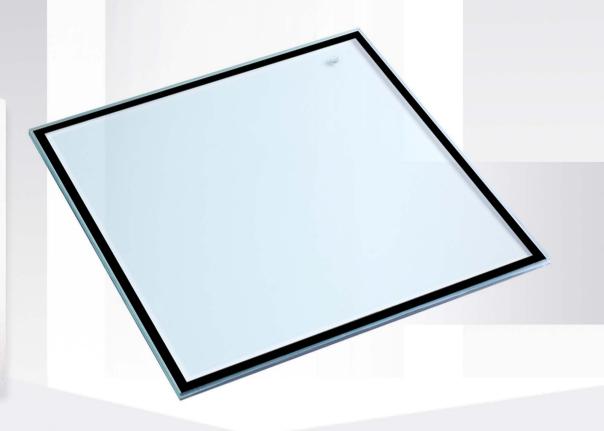
SUPER TECH



Vacuum Insulation Glass















In a high vacuum environment, the glass is permanently sealed with lead-free alloy flexible solder

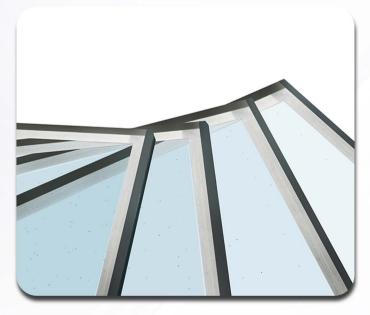
Obtaining high vacuum performance double sealed vacuum insulating glass without air extraction port



The design without air extraction port effectively reduces air leakage caused by air extraction

Ensure product consistency and safety







Ensure product consistency and safety

The heat transfer coefficient of VIG vacuum insulating glass is close to or even better than that of walls with lower heat transfer coefficients

It can be referred to as transparent ultra-thin 'walls' in architecture

Product Parameters



Product numbe	product structure	heat transfer coefficient (W/m²·K)	visible light			Total solar	Sunshade	Watabaad
			transmi- ttance (%)	outdoor reflectivity (%)	Indoor reflectivity (%)	transmittance (g)	coefficient (sc)	Weighted sound insulation (db)
VIG01	XTSLE+0.5V+YTC	0.6~0.8	40-70	<30	<30	0.35-0.5	0.4-0.6	36~40
VIG02	XTSLE+0.5V+YTC	0.4~0.6	40-70	<30	<30	0.3-0.5	0.4-0.58	36~40

Compared to other types of glass, VIG vacuum insulating glass has significant advantages in lightweight structure and super strong thermal insulation. The three glass and two cavity Low-E hollow glass has a good heat transfer coefficient, but its thickness is more than twice that of the VIG vacuum insulating glass. The heat transfer coefficient of the VIG vacuum insulating glass is close to the wall, and even better than the wall with poor heat transfer coefficient. It can be called a transparent ultra-thin "wall" in architecture.

With excellent product performance, Super Tech vacuum insulation panel products have won the **REACH** and **ROHS** certifications which are two important EU market access certifications.



Test Report Date: Jul 05, 2023 Page 1 of 12 No.: CANEC23004927803

Client Name: Fujian Supertech Advanced Material Co., Ltd.

Client Address: LIANGUAN INDUSTRIAL AREA, LIANCHENG COUNTY, LONGYAN CITY, FUJIAN

PROVINCE, CHINA

Sample Name: Vacuum insulation board

Buyer: Hajer

The above sample(s) and information were provided by the client.

SGS Job No.: 23709118 Sample Receiving Date: Jun 21, 2023

Testing Period: Jun 21, 2023 ~ Jul 05, 2023

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s). Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU and client's requirement - Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs),Polybrominated diphenyl ethers (PBDEs),Dibutyl phthalate (DBP),Butyl benzyl phthalate (BBP),Bis(2-ethylbexyl) phthalate (DEP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jarry Zhong

Jany Zhong Approved Signatory





Application fields



Building exterior walls



Modern agriculture



visual home appliances



Transportation field



Education field

Master the core technology of the whole industrial chain of vacuum insulation Its quality is trustworthy



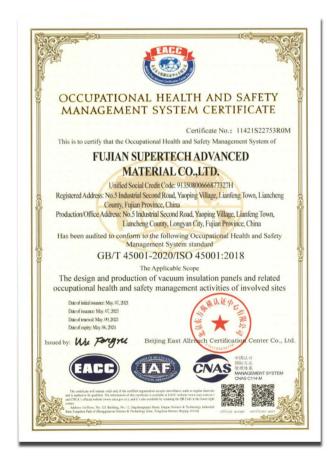
Fujian Super Tech Advanced Material Co., Ltd. was established in 2007. It is a national high-tech enterprise focusing on the development and application research of vacuum insulation material manufacturing technology. It was listed on the A-share Science and Technology Innovation Board in February 2020 (stock code: 688398). It has been continuously exploring the field of vacuum insulation, and continues to apply for downstream applications of vacuum insulation panels (home appliances such as refrigerators and freezers), and vacuum insulation technology applications (cold chain logistics such as cold storage, refrigerated trucks, insulated boxes, etc.) It also upgrades production equipment, quickly responds to customers' individual needs, and provides customers with energy-saving and environmental-friendly vacuum insulation panel products and efficient insulation solutions. It has been in the industry for many years. With its advantages in technology, quality, equipment, etc., Fujian Super Tech has won a good reputation and maintained its leading position in the field of vacuum insulation panel industry.

OUR R&D TEAM IS COMPOSED OF SOME EXPERTS IN AEROSPACE VACUUM FIELD OF CHINA, AND HAS ESTABLISHED LONG-TERM COOPERATION WITH MANY WELL-KNOWN DOMESTIC RESEARCH INSTITUTES AND UNIVERSITIES.

AT A RATE OF NEARLY 10 PATENTS A YEAR, A TOTAL OF 118 HIGH-VALUE PATENTS ARE DRIVING THE VIGOROUS DEVELOPMENT OF THE VACUUM INDUSTRY.







Partner customers

SAMSUNG













MELNG美菱

























Galanz 格兰住

Skyworth 创维

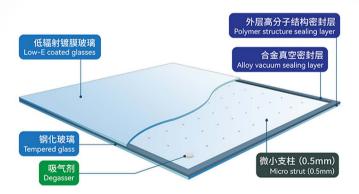
Fisher&Paykel



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Glass type	thickness	U value (W/m²∙K)	
Ordinary clear glass	4mm	5.8	
insulating glass	20mm	2.5~2.9	
Low-E insulating glass	20mm	1.5~1.8	
three-glass two-cavity	26mm	0.7~1.8	
VIG vacuum insulating glass	6.5mm	0.4~0.8	
wall	1500mm	0.22~1.78	



With excellent product performance, VIG vacuum insulation panel products have won the **REACH** and **ROHS** certifications which are two important EU market access certifications.