

# SUPER TECH



**Fumed silica insulation panel**



HIGH PROTECTIVE  
PERFORMANCE



CLASS A FIRE RESISTANCE



LONG SERVICE LIFE



Utilizing vacuum insulation technology, employing inorganic nano-scale microporous insulation materials

Loose and porous, lightweight, excellent insulation performance



High strength, low thermal conductivity. The combustion performance is Class A.

All performance indicators meet the current national energy-saving design standards for buildings



Has excellent heat resistance, air aging performance, ozone resistance, and insulation properties

Has strong sealing ability, can effectively prevent small particles and rain



# Product Parameters



Core material	Fumed silica
Film	High performance barrier film
Color	Silver
Temperature range	-80°C to 85°C
Structure	Rectangular
Standard size	Customized size
Maximum size	700x1200mm
Thickness range	4mm to 50mm
density	180kg/m <sup>3</sup> to 200kg/m <sup>3</sup>
length and width tolerance	± 3mm
thickness tolerance	± 2mm
Thermal conductivity	<0.005W/mk
proof	ROHS,REACH



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

No.: CANEC23004927803

Date: Jul 05, 2023

Page 1 of 12

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

Client Address: LIANGJUAN INDUSTRIAL AREA, LIANCHENG COUNTY, LONGYAN CITY, FUJIAN PROVINCE, CHINA

Sample Name: Vacuum insulation board

Buyer: Haier

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-ethylhexyl) phthalate (DEHP) and Diisobutyl phthalate (DIBP)	Pass

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

Jany Zhong

Jany Zhong  
Approved Signatory

scan to see the report



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# Application fields



Civil building  
insulation



Public building  
insulation



factory  
insulation

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

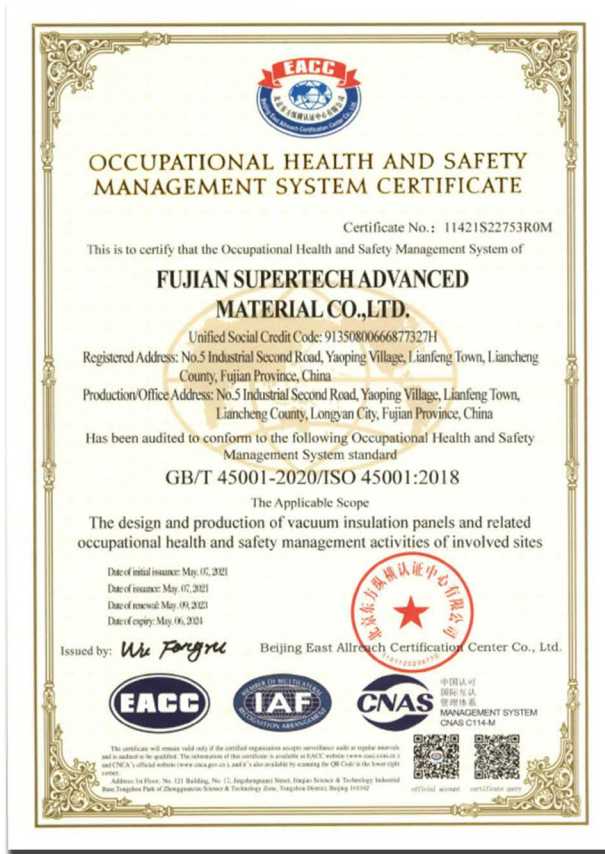


**闽赛特**  
**SUPER TECH**

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

