

# SUPER TECH



## Four-side Seal of Shell Type



Not constrained  
by shape



No folding



Puncture resistant



Longer life



Break through the original form of the product.  
Break the traditional process

Create a new VIP product structure



Made of hard bottom shell  
and high barrier film  
Hot stamping

There is no virtual edge



Resistant to deformation  
and puncture  
Greatly improve the stability  
of VIP board

Fundamentally solve the air leakage  
problem caused by folding



# Product specification



Name	Puncture force (N)	Heat sealing strength (N/15mm)	Unfolded helium transmittance (mbar.L/s)	Folding helium transmittance (mbar.L/s)
Conventional	58.6	68	$3.08 \times 10^{-8}$	$1.26 \times 10^{-7}$
Four-side seal of shell type	364.5	93	$1.19 \times 10^{-8}$	-



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: LIANGUAN 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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Attention: To check the authenticity of testing (inspection report & certificate), please contact us at telephone: (86-755) 8327 1443, or email: [CN.Doc@tech@sgs.com](mailto:CN.Doc@tech@sgs.com)

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Member of the SGS Group (SGS SA)

# Application areas



Fresh cabinet



High end refrigerator



Vending machine



Refrigerated truck



Refrigerated container



Freezer

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

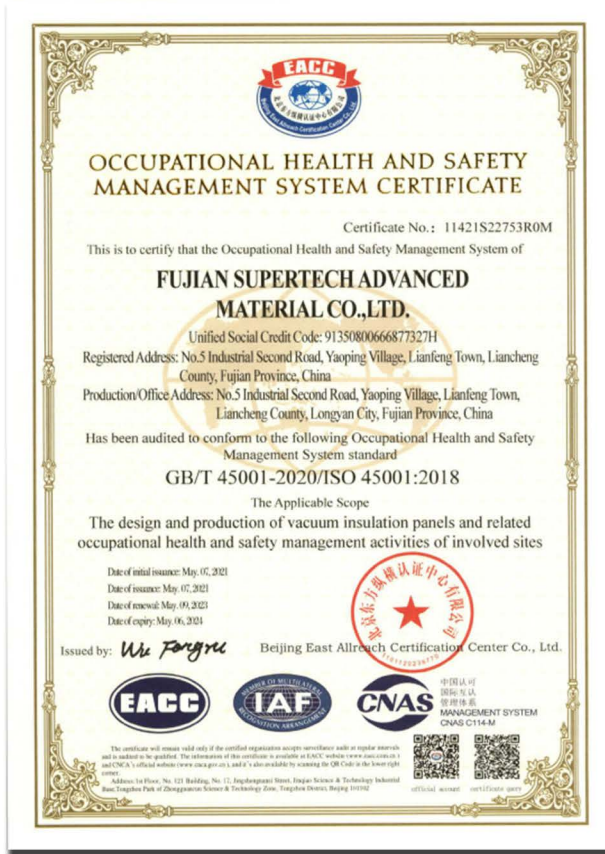


**闽赛特**  
**SUPER TECH**

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

