

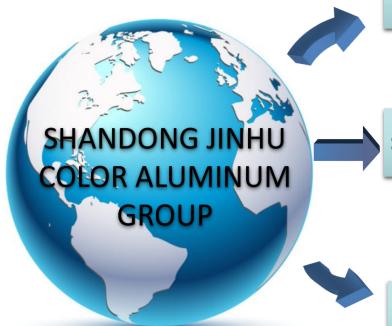
SHANDONG GOLDEN SUNSHINE BUILDING MATERIALS CO.,LTD.

Non Combustible A2 Core Coil (A2-s1,do grade)

Professional fireproof cladding materials manufacturer in China







LINYI JINHU COLOR COATING ALUMINUM INDUSTRY CO.,LTD.

Product: Color Coated Aluminum Coil, etc.

SHANDONG GOLDEN SUNSHINE BUILDING MATERIALS CO.,LTD.

Product: A2 Core, A2 Metal Composite Panel, Aluminium Composite Panel (ACP, ACM), etc.

SHANDONG BAISHENG METAL TECHNOLOGY CO.,LTD.

Product: Stone Coated Metal Roof Tile, etc.



Company Introduction

SHANDONG GOLDEN SUNSHINE BUILDING MATERIALS CO.,LTD.



- Located in Free Trade Zone,
 Linyi City, Shandong Province
 - Cooperation unit of Shandong
- University of Science and Technology
- Covering120000M2
- ISO9001,CE, EN13501-1, BS476 certifications by SGS, Intertek, Afiti Licof, etc



Company Introduction





- 4 aluminium composite panel production lines, 3 color coated aluminum coil lines
- 2 A2 core production lines,
 1 A2 metal composite panel line
- 1,400,000.00m2 A2 Core, 800,000.00m2 A2 ACP, 18,000,000.00m2 ACP, 40,000.00 tons Aluminum Coil



Comparison

Product Items	A2 Aluminium Composite Panel	Aluminium Panel	FR Aluminium Composite Panel	Aluminium Composite Panel	Aluminium Honeycomb Panel
panel surface	A2 core is laminated with aluminium, high flatness	panel surface is with some defects	FR core is laminated with aluminium, high flatness	LDPE core is laminated with aluminium, small bubbles in surface	easy to change shape in cold or hot condition
fire resistance	A2,s1, d0 grade, non combustible	A2,s1, d0 grade, non combustible	B,s1, d0 grade, flame retardent	combustible	A2,s1, d0 grade, non combustible
green	no toxic	no toxic	a little toxic	a little toxic	no toxic
fabrication	easy fabrication in factory or on site	hard fabrication on site	easy fabrication in factory or on site	easy fabrication in factory or on site	hard fabrication on site
cost	competitive	high	low	lowest	high



Product Performance











Product Performance

- 1. different colors and patterns meet archtect's demands
- 2. A2,s1,do grade fire resistance performance
- 3. high flatness

A2 core is inorganic material and its coefficient of thermal expansion is similar with metal surface, reduce the interior stress from two different materials. Normal aluminium composite panel is with LDPE core, which is organic material and its coefficient of thermal expansion is 5-7 times than metal surface, easy to bubbles, change shape, etc.

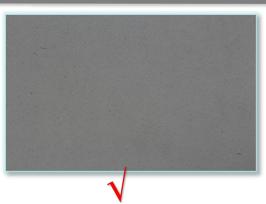
- 4. green and environmental protection
- 5. large size and easy fabrication
- 6. sound insulation, heat insulation

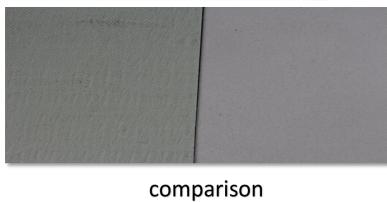
1220x2440x4mm A2 Aluminium Composite Panel is 26dB in sound insulation, the thermal conductivity is 0.31w/m.k.



Product Appearance

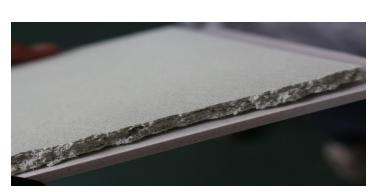










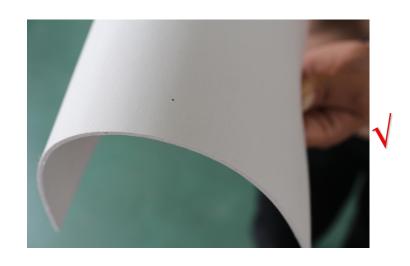




comparison

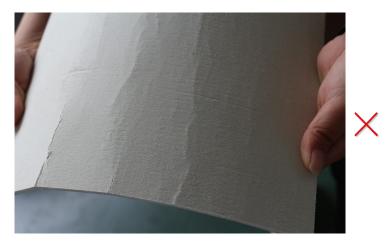


Product Appearance











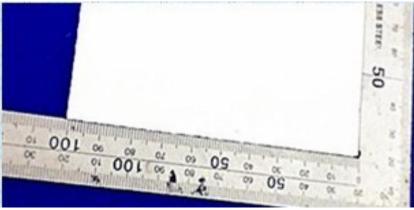
Size Tolerance

The Tolerance of Size

The thickness of A2 Core is ± 0.05 mm, the width is ≤ 1 mm.

The thickness of A2 Panel is ± 0.1 mm, the length is ≤ 2 mm, the diagonal is ≤ 3 mm.







Water Absorption

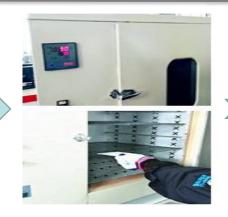




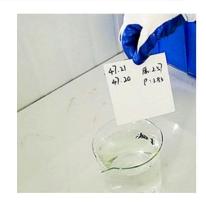
Water Absorption Testing Process







constant temperature at $90^{\circ}C \pm 2$, baking for 2h

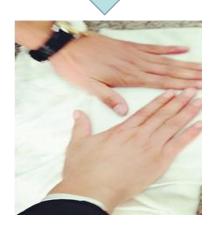


immersion in cold water for 72h





weight as m₁



wet cotton cloth clean the water in surface



Peeling Strength Testing



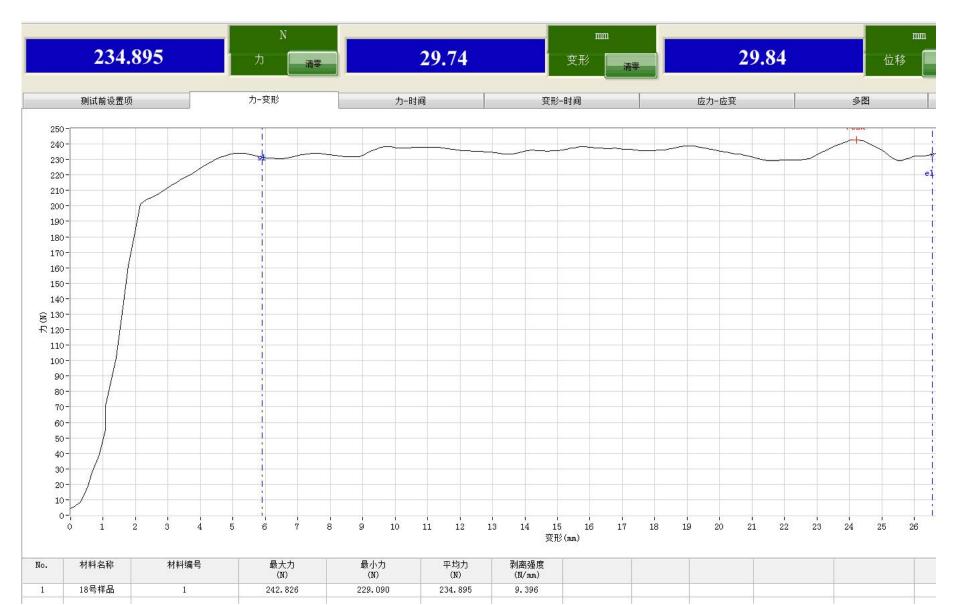
180° peeling testing



180° peeling surface



Peeling Strength Testing





Factory Show









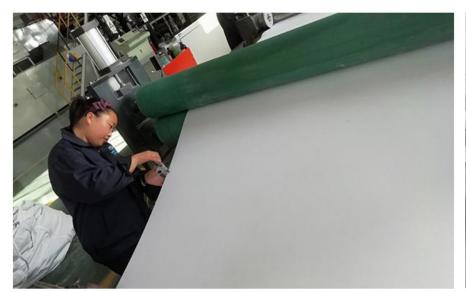




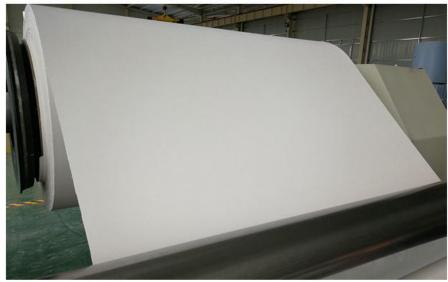




A2 Core Workshop Show











A2 ACP Workshop Show





Packing & Loading











Testing & Certification



intertek

Test Report

Issue Date: 2018/5/14 Intertek Report No. 1804280045HF-BP-1
APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZE

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.



Revision:				
NO.	DATE	CHANGES	AUTHOR	REVIEWER
180428004SHF-BP-1	2018/5/14	First issue	Adolph Chen	Harrison



intertek

Test Report

Issue Date: 2017-12-08 Intertek Report No. 171124002SHF-BP-1

4 Test Photo

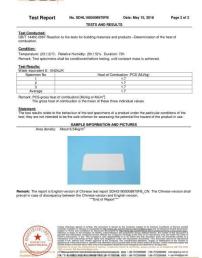








SGS







Contact us



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Tom

Export Manager

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SUBSIDIARY FACTORY OF JINHU COLOR ALUMINUM GROUP

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Aluminium Composite Panel

Fireproof A2 Panel

Fireproof A2 Core

Stone Coated Metal Roof