

- Aluminum Composite Panel
- Aluminum Core Composite Panel
- CEP Board
- ACP Tiles
- PVC Wall Panel





Guangzhou Goodsense Decorative Building Materials Co.,Ltd.

المسجعة وعالمو يتأوجه أعدار ومرونا الأوفاع المأتونين فليعال وموقياتهما فالشمية المحفا والمراجعة والفلي

• Company Profile •

Guangzhou Goodsense Decorative Building Materials Co., Ltd is one of the biggest decorative building materials enterprises in China. It is specialized in producing decorative building materials such as Aluminum Composite Panel, Aluminum Core Composite Panel, CEP Board, ACP Tiles, PVC Wall Panel. Our company was founded in 1996. The factory covers area of 140 thousand square meters, with nearly 500 people of various kinds of advanced management, design development and production staff. It has 12 advanced international technology production lines of aluminum composite panels, which can produce two-meter width aluminum composite panel curtain wall, with an annual production capacity of 15 million square meters ACP, and 5 million square metersof ACCP. Goodsense production lines include the most complete varieties, designs and colors in the field.

Goodsense is one of the first enterprises through the ISO9001/14001 International Quality and Environmental Management System, and also one of the first enterprises through China Building Materials Certification Center (CTC) in 2008. Products tested by SGS, with every performance indicators fully meet the national standards. Our company participates in Aluminum Composite Panel national standard, and is the deputy director of the national aluminum composite industry branch unit. It was awarded the Project Recommended Products, Guangzhou Famous Trademarks, Chinese Famous Quality Products, The Industry's Most Influential Enterprises, Top Ten Enterprises, The Enterprise of China Building Decoration Materials, National System Quality Service Prestige AAA Grade Enterprise, eleven years in a row was rated as Obey the contract and Treasure Credit Enterprise.

The company emphasizes highly on its brand image."GOODSENSE" "Jiejiegao", "Zhengmao" have been selected as "Excellent Products in China". Company focuses on ACP research and development, manufacture and innovation, adhering to the quality policy of "people-oriented, technology leading", "customer satisfaction is the source of enterprise development" as the management idea, which will continue to carry forward Goodsense spirit, based on south China, consolidate the central plains, facing the whole country, expanding overseas, leading the latest trend of decorative materials, becoming the first-class decorative building materials enterprises in China, and creating world-class brand.



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Company Profile

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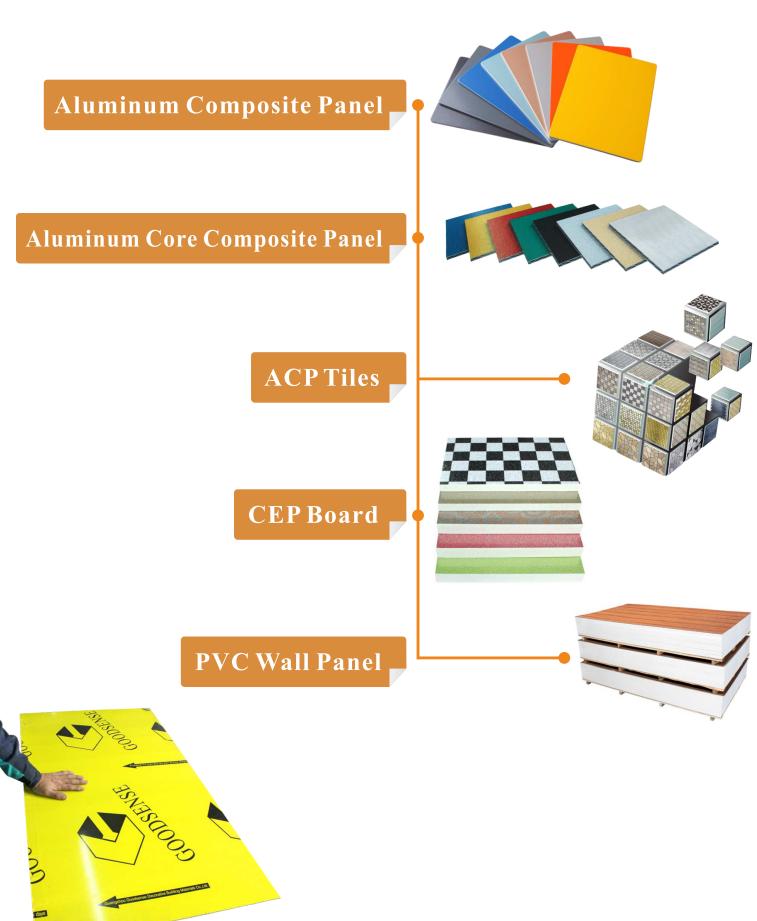
广州市吉鑫祥装饰建材有限公司

• Goodsense Factory Environment



Test Center





Ompany Showroom













Aluminum Composite Panel

Product Overview

Aluminium Composite Panel is a kind of compound material processed with aluminum plasitc panel producing equipment. It takes chemical-disposed doped aluminum panel chemical disposal as the facial material, and polythene plastic as the core material. The main coatings in aluminum skin are Polyester and PVDF. ACP is easy to be maintained, cleaned, constructed and processed. It is a popular decorative material.

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Product Features

- 1. Favourable
- 2. Rich Colors
- 3. Various Thickness in Aluminum Surface
- 4. Wide range of Applications

Application.

- 1. Building curtain wall and exterior wall •••
- 2. Interior decoration
- 3. Electrical panels, advertising signs and display stands

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4. Industrial materials and other fields





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- **PVDF** Coating
- Thickness:2mm-6mm
- Width:1000,1220,1500,1550

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Length: 1000-5800mm

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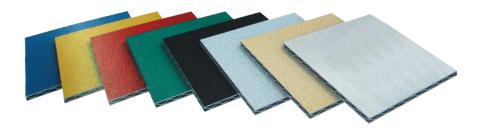
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• Aluminum Core Composite Panel



- Thickness: 3.0mm-4.0mm
- Width: 1220, 1500mm
- Length: 1000-6000mm

The Aluminum Core Panel consists of two aluminum cover plates and an aluminum core. The characters of this new material is composite forming, smoothness, stability, good weather resistance and good impact resistance. Because of its compound structure, it can be made into many different shapes with high instillation efficiency, convenient maintenance and easy cleaning. The Aluminum Core Panel is a new range of material for private home, public building, headquarter offices, factoryand so on.





Product Features

1. A2 FR

- 2. Light weight, green and environmental protection
- 3. High strength and flatness
- 4. Good heat insolation and sound insolation

Application

- 1. Building curtain wall and exterior wall
- 2. Interior decoration
- 3. Special green materials for medical system
- 4. Advertising boards, sign boards, furniture
- 5. Electronics industry and other fields

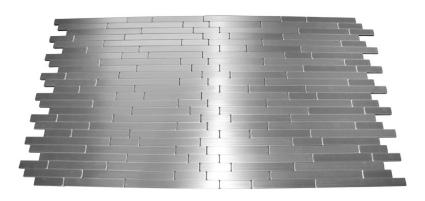




• ACP Tiles



GOODSENSE ACP Tiles is unique luster, rich colors, show personality, lead interior decoration new high-end fashion.



Mosaic has marvelous varied pictures with three-dimensional, inspirational, sensual and perfect color, making a small room feel active and full of energy. Mosaic expresses intense contemporary feeling, and product cost is low, benefit is big, installation is simple. Color mixture system could turn into various new colors. In the metal color system, gold Mosaic and silver Mosaic should be the representive of modern and advance.



INSTALLATION

Wall bodies must be flat and clean. If apply on cement directly, water proof painting is needed on the surface. Only after the painting is dry enough, then the installation can begin.



Peel off the protective film on back.



Stick Mosaic according to the horizontal line.

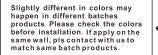








Knock the surface of Mosaic gently with a plastic hammer, a crosatie is mecessary between the hammer and Mosaic.





Clean the surface of Mosaic with a soft cloth.

Remove the surface protective film after everything completed.

• PVC Wall Panel











Antibacterial & Mould Proof



广州市吉鑫祥装饰建材和限公司

Green Building Materials









• CEP Board





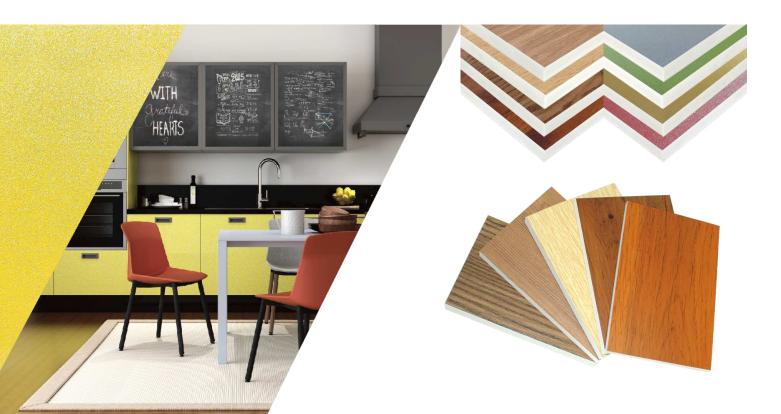
Application

The **Goodsense** ^{*pfus*} CEP Board mainly used for advertisement board, signage board, kitchen, doors and windows, office partition, furniture, fan blade,etc

The research and development of GOODSENSE CEP board conforms to the national design requirements for building energy conservation and green environmental protection, and plays an important role in beautifying the city, saving energy and reducing emissions.

Product Features

CEP Board has a very good sound insulation, heat insulation, fire-proof, water-proof.





Enterprise Honor and Test Report



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Company Qualification





Company Qualification



CERTIFICATE OF REGISTRATION tion No.03818003109R5M Organization Code/Unified Social Cre 914401147475583605 S. This is to certify that the Quality Management System of Server Server Guangzhou Goodsense Decorative Building Materials Co., Ltd. Audit Address: No.2, Xizhuyuan, Yanjiang Road, Tanbu Town, Huadu District, Guangzhou City, Guangdong Province/Registered Address: No.2, Xizhuyuan, Yanjiang Road, Tanbu Town, Huadu District, Guangzhou City, Guangdong Province, China has been audited to conform to GB/T 19001-2016/ISO 9001:2015 For the whole process of production and sale of aluminum-plastic composite board, PC sunlight hollow plate Date of Initial Issuance:2003-4-2 Date of Issuance:2018-5-11 Date of Expiry:2021-5-11 This certificate will be employed with converting the certificate in which the sum undit annually within the converting period of the certificate in which the sum in the designated patient period so link were howener service by scanni and www.cnca.gov.mithr.this converting so link were the service of the service of the certificate so link were the service of the s ng OR co Issued by : dre Two World Standards For Certification Center Inc. Add: Fl AGEMENT SYSTEM **ISO9001** CNAS C038-M JE AC

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Test Report

SGS	TEST REPORT		SGS	TEST REPORT
		No. : GZIN180500630CCM Date : May.22,2018 Page: 1 of 7		No. : GZIN180500530C Date : May. 22, 2018 Page: 4 of 7
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DDRESS: NO. 2 ZI	HUYUAN, WEST YANJIANG ROAD, TAM HUYUAN, CHINA		Classification*, has a means	on Association Life Safety Code 101, "Interior Wall and Ceiling Finish s of classifying materials with respect to Flame Spread and Smoke Developed with NFPA 255, (ASTM E84) "Method of Test of Surface Burning Characteristics
	were submitted and identified on behalf of th	the client as:	of Building Materials*.	
	FR ACP SDHG1805006658FB			
	SDHG1805006658FB Selected test(s) as requested by applicant		The classifications are as foll	lows: Flame-Spread Index (FSI) Smoke-developed Index(SDI)
	May. 07, 2018		Class A	0 - 25 0 - 450
	May. 07, 2018 to May. 20, 2018		Class B	26 - 75 0 - 450
			Class C	76 - 200 0 - 450
st result(s) :	Please refer to the following page(s)			
	******To be continued******		Conclusion:	
				otection Association Life Safety Code 101, "Interior Wall and Ceiling Finish
			Classification*, the submitted	I sample meets the requirement of Class A.
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gned for and on behalf of SS-CSTC Standards Techr Jangzhou Branch	nical Services Co.,Ltd			
Chemeller Handler Wu				
chnical Engineer	ment is issued by the Company subject to its General Conditions of S	Service printed overself, available on request or accessible	This securi	ment is insured for the Conceasy subject to its General Constitution of Sannice primer owning, available in request or access
At http://www. Document indemnific the Compa	tent is issued by the Company subject to its General Conditions of 5 we say content/ferms and Conditions appa and, for electronic format is a first (-www.say.comming Ferms and Conditions) Ferms - Documents along and jurisdiction issues defined therein. Any holder of this documents for a first state is the time of its intervention only and within the limits of com-	It documents, subject to Terms and Conditions for Electronic menn, segs. Aftention is drawn to the limitation of Eability, ument is advised that information contained hereon reflects Clerch instructions, if any. The Company's sole responsibility		tent is investig by the Concern y subject to its General Conditions of Garving printed overlast, available on request or access the supported interment Conditions age and, the accession is terral accession, support of terms and Conditions for Electronic a 4 Moreover, and the support of terms and Conditional Terms - Document age, Attention is drawn to the instruction of Table on Moreover, the support of the support on Moreover, the support of the support of the support of the suppor
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SGS A2 class fire-proof aluminum composite panel test report

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	No. : GZIN180500630CCM Date : May. 22, 2018		No. : GZIN1805006300 Date : May. 22, 2018
	Page: 5 of 7		Page: 6 of 7
Graphical Results: Flame Spread Chart		Smoke Developed Chart	6 4 4 5 A 4
20 Train option of anti-	9 . 7 . 8 . 9 . 8 . 9 .	Test Sample 50 - Ned Ope	A. P. A. A. S.
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Figure 1. Flame Spre	ead Chart	Figure 2. Smoke D	eveloped Chart
******To be continue	ed******	Note: The above test was carried out by a SGS internal laborat	ory.
		Statement: Unless otherwise stated, the results shown i	
		To be con	tinued******
		19 4 4 5 A 4 8 5 4	
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SGS A2 class fire-proof aluminum composite panel test report



Date: Jun.05, 2018

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Page 2 of 5

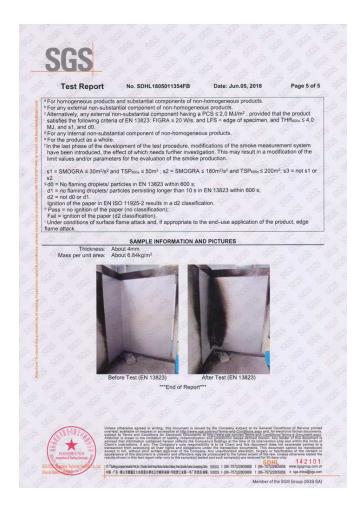
Test Report

Test Report No. SDHL1805011354FB Date: Jun.0	05, 2018 Page 1 of 5	Test Report	No. SDHL1805011354FB	Date: Jun.
SUANGZHOU GOODSENSE DECORATIVE BUILDING MATERIALS CO., LTD.				
D.2 XIZHUYUAN, YANJIANG ROAD, TANBU TOWN, HUADU DISTRICT, GUAI	NGZHOU, CHINA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TESTS AND RESULTS	
		Test Conducted:		
e following sample(s) was / were submitted and identified on behalf of the client	as: 5 5 5 5 5 5		per EN 13501-1:2007+A1:2009 Fire classif ation using data from reaction to fire tests.	
ample Description GRADE B FIRE-RESISTANCE ALUMINUM COMP		1. EN 13823:2010+A1:2	014 Reaction to fire tests for building prod	
Sample Receiving Date : May 24, 2018		exposed to the therm 2. EN ISO 11925-2:2010	al attack by a single burning item. 0+AC:2011 Reaction to fire tests-Ignitability	of building
est Performing Date : May 24, 2018 to Jun.05, 2018		impingement of flame	-Part 2: Single-flame source test.	o. contining
ar enorming bate . may 24, 2018 to 301.03, 2018		Mounting and finites (Fe	EN 13823:2010+A1:2014):	
Test Result Summary		The specimen was tested	free standing at a distance of at least 80 m	m from the
st(s) Requested	Result(s)	Both wings were clamped		
13501-1:2007+A1:2009 Fire classification of construction products and	Classification: B-s1, d0	Test Results:		
elements-Part 1: Classification using data from reaction to fire tests	Charamodilon, D'ar, uu	Test method	Parameter	Numbe
ther details, please refer to the following page(s).		8 8 5 6 8 9	FIGRA0.2MJ (W/s)	
triel details, prease refer to the following page(s).		St. 2	THR _{600s} (MJ) SMOGRA (m ² /s ²)	5 2
		EN 13823:2010+A1:2014	TSPEOR (m²)	1.5
		- 1 S - SP - P	LFS < edge of specimen	91.2
			Flaming particles or droplets	1 28
		EN ISO 11925-2:2010+A0 Exposure = 30 s	C:2011 Fs ≤ 150 mm Ignition of the filter paper	5 2
		Remark:	ignition of the lines paper	-
			dex used for classification purposes [W/s]	
		For the classes A2 and B,	FIGRA02MJ	
		For the classes C and D, I	FIGRA0.4MJ	
		LFS-Lateral flame spread THRecor-Total heat release		
		SMOGRA-Smoke growth	rate [m ² /s ²]	
		TSP _{600s} -Total smoke prod	uction within 600 s [m ²]	
		1.61 - 41 L. T. A.		
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assification a	nd direct field n has been car	of application:	ince with EN 1350	1-1:2007+A1:2009				Table 1	- Classes of reaction t	o fire pe	rformance for construction products thermal insulation products.	s excluding floorings and linear pipe
assification:								Class	Test method(s)	62	Classification criteria	Additional classification
Fire behaviour B	24	Smoke pro	duction 1		Flaming d	droplets 0		12	EN ISO 1182 * 4	and	△T≤30°C, and △m≤50%, and t=0(i.e. no sustained flaming)	5 5 5 5 5 5 5 S
eaction to fire	their correspo classification is	nding fire performa based on the 7-st	ance are given in T ep scale of A1 to F	Fable 1. F, where A1 is goo	d and F is b	ad		A1	EN ISO 1716		PCS≤2.0MJ/kg * and PCS≤2.0MJ/kg * and PCS≤1.4MJ/m ² ^d and PCS≤2.0MJ/kg * and	1 50 5 5 ° 50 ° 50
		haviour of the test a the sole criterion					2	5 55	EN ISO 1182 * or	200	△T≤50°C, and △m≤50%, and t≤20 s	10 40 50 50 A
e test laborato	ry has, therefo	not represent type a are, play no part in 's factory productio	sampling the prod	luct for the test, alti	hough it hold	ls appropriate	con at telepho	A2	EN ISO 1716	and	PCSs3.0MJ/kg * and PCSs4.0MJ/m ² * and PCSs4.0MJ/m ² * and PCSs3.0MJ/kg *	A 5 4 4 4 5
	or their traceal		280	1. A. E. A.	10 90°	\$ \$		100 A	EN 13823	24	FIGRA≤120W/s and LFS <edge and<br="" of="" specimen="">THRecos≤7.5MJ</edge>	Smoke production f and Flamin droplets/particles 9
							-	в	EN 13823 a	nd	FIGRA≤120W/s and LFS <edge and<br="" of="" specimen="">THR600s≤7.5MJ</edge>	Smoke production ^f and Flamin droplets/particles ^a
							-	9	EN ISO 11925-3 Exposure =30s		Fs≤150mm within 60 s	60 - 50 - 50 - 50 - 50 - 50 - 50 - 50 -
							÷	С	EN 13823 a	nd	FIGRA≤250W/s and LFS <edge and<br="" of="" specimen="">THR600s≤15MJ</edge>	Smoke production ¹ and Flamin droplets/particles ⁹
								-	EN ISO 11925-2 Exposure=30s		Fs≤150mm within 60 s	5 50 A 50 5
							and	D	EN 13823 a	nd	FIGRAS750W/s	Smoke production ¹ and Flamin droplets/particles ⁹
							antiber to a	400	EN ISO 11925-2 Exposure=30s		Fs≤150mm within 60 s	8 9 3 5 5 B
							4 g 3	E	EN ISO 11925-3 Exposure =15s		Fs≤150mm within 20 s	flaming droplets/particles *
								F	No performance deter	mined	3 5 5 3	5 3 as do

SGS B1 class fire-proof aluminum composite panel test report







letal Quality. Assured.				Test Report		Intertek Te Plant 5, N		inghai Fengxian Bran listrict, Shanghai, Chi 5 Fax: 021-611899 lite: www.intertek.co
				Issue Date:	2019/4/28	Interto	ek Report No. 19040200	955HF-001-R1
GUANGZ	HOU			Applicant:	GUANGZHOU	J GOODSENSE DECORATIVE	BUILDING MATERIALS C	O., LTD
GOODSEI	NSE				NO.2 ZHUYU GUANGZHOU Yunhua Duar		, TANBU TOWN, HUADU	DISTRICT,
DECORAT	FIVE BU	ILDING			Performance Aluminum Ci	testing omposite Panel (A2 FR)		
	LS CO.,			Dear Sir, This test report repres requirements containe	ents the resu d in the follo	Its of our evaluation of the wing standards:	above referenced produ	ct(s) to the
						TEST METHODS AND STAR	1012	
ST REI	PORT			SAMPL	EID	MODEL	SPECIFICATIO	ON
				\$1904020055F	IF.001~002	Silver Metallic (PVDF)	4*0.5mm Brand name: GOO GOODSENS	
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EQDIVITIES CONSTRUCTION CON	ation of construction products an of free tests with EN ISO 1716. This test evalue a bomb calorimeter. with EN 13823. This test evaluate dor a fire situation simulating a cordance with EN 13501-1200075 in the table below. ance for construction products.	nd building elements - Part 1: ates the gross heat of combustion as the potential contribution of a single burning item near to the A1:2009. The class A2 with its excluding floorings and linear pipe		Test Quarty, Asserts. Test Report Issue Date: Test Items, Method a 2 RESULTS AND OBSER Method EN ISO 1716-2010	PCS	Interto Facameter Facing coating, Mil/m Adhesive film, Mil/m Core material, Mil/ng Adhesive film, Mil/m Bottom coating, Mil Biottom coating, Mil FiGPA, Jun, Wi Ji Sim Ji Sim Offa, m 'd/a' TSP _{Bach} m'	Res 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0;	uit 7 0 4 0 1 2 2 0 4 2 0 4 3 3
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intertek A2 class fire-proof aluminum composite panel test report

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a Quality. Assur est Rep sue Date: est Items, N est method: ements - Pa 1 HEAT OF (ne test was a	2018/11/16 Vethod and Results: EN 13501-1:2007+A1:20 art 1: Classification using COMBUSTION TEST	009 Fire classification of constructi data from reaction to fire tests with EN ISO 1716. This test evalue	ion products and building		Tes Test	ality, Assured. t Report Date: 20 Items, Method and	Results:	Parameter Facing costing, MJ	m²	00025HF-001 <u>Result</u> 0.4 0
est Rep sue Date: est Items, N est method: erments - Pa 1 HEAT OF (le test was $_{bcs}$) of prod	2018/11/16 Wethod and Results: EN 13501-1:2007A1:20 art 1: Classification using COMBUSTION TEST conducted in accordance	009 Fire classification of constructi data from reaction to fire tests with EN ISO 1716. This test evalue	ion products and building		Tes Issue 2 RES	ality. Assured. t Report Date: 20 Items, Method and ULTS AND OBSERA	Results: TIONS	Inte	m ² MJ/kg m ²	Result 0.4
est Rep sue Date: est Items, N est method: ements - Pa 1 HEAT OF (he test was of bres) of prod 2 SINGLE B he test was so oduct to thin	A 2018/11/16 Method and Results: EN 13501-12007-A12 COMBUSTION TEST conducted in accordance bucks at constant volume SURNING ITEM TEST SURNING ITEM TEST	009 Fire classification of constructi data from reaction to fire tests with EN ISO 1716. This test evalue	ion products and building ates the gross heat of combustion es the potential contribution of a		Tes Issue 2 RES	ality: Assured. t Report Date: 20 Items, Method and ULTS AND OBSERA	Results:	Parameter Facing coating, MJ/ Adminium substrate, Admissive film, MJ/ Core material, MJ/ Adminium substrate, Adminium substrate,	m ² MJ/kg m ² kg m ³ MJ/kg	Result 0.4 0 2.1 0 2.1 0 2.1
est Rep sue Date: est Items, A streams, A set method: ements - Pa 1 HEAT OF (he test was of A_{ecs}) of prod 2 SINGLE B he test was of roduct to thir roduct.	2018/11/16 Wethed and Results: Evi 13501-12007-X122 Evi 13501-12007-X122 COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST Conducted in accordance e development of a fire,	009 Fire classification of constructi data from reaction to fire tests with EN ISO 1716. This test evalu- in a bomb calorimeter.	ion products and building ates the gross heat of combustion es the potential contribution of a		Tes Issue 2 RES	ality. Assured. t Report Date: 20 Items, Method and ULTS AND OBSERA	Results: TIONS	Parameter Facing coating, MJ/ Aluminium substrate, Adhesive film, MJ/ Core material, MJ/	m ² MJ/kg m ² Kg m ³ MJ/kg MJ/kg m ²	Result 0.4 0 2.1 0 2.1
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est Rep sue Date: est Items, A st method: erments - Pa 1 HEAT OF provided 2 SINGLE B ne test was a roduct to the roduct. 3 CLASSIFIC ne classificat mresponding	2018/11/16 Wethed and Results: Ex 13501-1207-X122 Ex 13501-1207-X122 Ex 13501-1207-X122 COMBUSTON TEST COMBUSTON TEST COMBUSTON TEST CONDUCTION CONTENT STATUTON CRITERIA TISIO VAS THE CONTENT CONTINUES IN CONTENTIAL STATUTON CRITERIA Sin vas determined in a g fire performance is give	000 Fire classification of constructs data from reaction to fire tests. e with EN ISO 1216. This test evalue in a bomb calorimeter. e with EN 13823. This test evaluate under a fire situation simulating a eccordance with EN 13501-12007	ion products and building ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its		base Tess 2 RES EP	ality. Assured. t Report Date: 20 Items, Method and ULTS AND OBSERA	Results: TIONS	Parameter facing coating, MJ/ Auminium substrate, Adhesive film, MJ/ Adminium substrate, Bottom coating, MJ/ Adminium substrate, Bottom coating, MJ/ The whole paroduct, N FIRRAy, W, MJ THE work and a coating, MJ THE work and a coating of the source of the SMOGRA, m ² /a ¹	m ² MJ/kg m ² kg m ² MJ/kg m ² MJ/kg	Result 0.4 0 2.1 0 2.1 0 0.1 1.3 0
est Rep sue Date: est Items, A est method: ements - Pa 1 HEAT OF 6 he test was 6 k_{PC}) of prod 2 SINGLE B he test was so oduct to the oduct. 3 CLASSIFIC he classificat	2018/11/16 Wethed and Results: Ex 13501-1207-X122 Ex 13501-1207-X122 Ex 13501-1207-X122 COMBUSTON TEST COMBUSTON TEST COMBUSTON TEST CONDUCTION CONTENT STATUTON CRITERIA TISIO VAS THE CONTENT CONTINUES IN CONTENTIAL STATUTON CRITERIA Sin vas determined in a g fire performance is give	009 Fire classification of construct data from reaction to fire tests. • with EN ISO 1716. This test evalua- in a bomb calorimeter. • with EN 13823. This test evaluate under a fire situation simulating a • econdance with EN 13500-1:0007- manne for construction products. Classification criteria	ion products and building ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its		base Tess 2 RES EP	Hily Asuved. t Report Date: 20	PCS	Parameter Facing coating, MJ/ Aluminium substrate, Adhesive film, MJ/ Core material, MJ/ Adhesive film, MJ/ The whole product, Bottom coating, MJ The Whole product, FIGRA _{0,20} , WJ/s ThHM _{0,00} , MJ US, m	m² MJ/kg m² %g m² MJ/kg MJ/kg AJ/kg <edge Voo flaming drc</edge 	Result 0.4 0 2.1 0 0.1 1.3 0 0.4 0 5 specimen 0 22
est lems, Assur est lems, A sue Date: est lems, A est method: ements - Pa i HEAT OF (a test was of prod 2 SINGLE B e test was oduct to the oduct to the oduct to the coluct of the special field able - Class of	And Constraints of the second	009 Fire classification of construction data from reaction to fire tests with EN ISO 1716. This test evalua- in a bomb calorimeter. e with EN 13823. This test evaluate under a fire situation simulating a secondance with EN 13501-1:2007- en in the table below. manace for construction products.	ion products and building: ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its excluding floorings and linear pipe		Issue Tess 2 RES 1382 Note	Http Asseved t Report Date: 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C	Results: TIONS PCS	Parameter Factoria and the second se	m ³ MU/kg m ³ Sg m ⁴ MU/kg MU/kg MU/kg MU/kg MV/kg	Result 0.4 0 2.1 0 0 2.1 0 0.1 1.3 0 0.4 0 0 0.4 0 22 uplets/particles/pa
sue Date: est Items, A ssur est Items, A ssur est method: ements - Pa 1 HEAT OF (he test was a object) of prod 2 SINGLE B he test was a roduct to thr roduct. 3 CLASSIFIC he classificat presponding able - Class	2018/11/16 Wethod and Results: EN 1350-1:2007-A1:22 INT 1: Classification using COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST DURNING INTERIA SURNING CONTERIA SURNING CONTERIA Store Ref Performance is giv of reaction to fire perfor Test Method(s) EN 150 1716	009 Fire classification of construction data from reaction to fire tests with IN S0 1716. This test evalua- in a bomb calorimeter. e with EN 13823. This test evaluate under a fire situation simulating a secondance with EN 13501-12007* en in the table below. mance for construction products thermal invaluen products. Classification criteria PCS 51.0 MJ(m ^{4, 5} and PCS 54.0 MJ(m ^{4, 5} and P	ion products and building: ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its excluding floorings and linear pipe	8	Esta Gu Tess Issue 7 est 2 ress 1382 1382 1382 1382 1382 1382 1382	Http Asseved. t Report Date: 2 C Terms, Method and Method (150 1716:2010 EN 3:2010+A1:2014 * t Rem marked with Rem marked with	PCS	Parameter Parameter Auminium substrate, Adhesive film, MUX Core material, MUX Core material, MUX Core material, MUX Core material, MUX Adhomoians substrate, Bottom coating, MUX The whole perduct, N FIGRA, Jun, WIX SMOGRA, m ² /s ² TS ² SMOGRA, m ² /s ² SMOGRA, m ²	m ³ MJ/kg m ² MJ/kg MJ/kg MJ/kg c£Edge c£Edge with with the second sec	Result 0.4 0 2.1 0 0.1 1.3 0.4 of specimen 0 22 of specimen 0 22 23 0 4 0 0 24 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0
al Quality, Assure ess Resp sue Date: ess Items, A, San	And Constraints of the second	009 Fire classification of construction data from reaction to fire tests with IN SO 1716. This test evalua- in a bomb calorimeter. In the state of the second second second secondance with IN 13501-12007- en in the table below. mance for construction products thermal insulation products. Classification criteria PCS 43.0 MU/m ¹ and PCS 43.0 MU/	ion products and building ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its excluding floorings and linear pipe Additional classifications Smoke production " and Flaming droplets/particles ^r		Tess Issue Tess 2 RES 1382 Note 1. Tes 2. Per board 3. The	Hity Assured t Report Date: 20 ULTS AND OBSERA Method HSO 1716-2010 EN 32010+A1:2014 * URE marked with EN 1382, the sam was a 12mm thick EN 1382, the sam the same same same the same same same same same same same sam	PCS PCS * was coil	Parameter Facing costing, MJ Alurninium subtrator, Adhesive film, MJ/ Core material, MJ Adhesive film, MJ/ Autorise film, MJ Autorise film, Autorise film, Au	m ³ MI//rg m ⁴ MI//rg m ⁴ MI//rg MI//rg MI//rg MI//rg KI//rg K	Result 0.4 0 2.1 0 0.1 1.3 0 0.4 0.4 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
ar Quality Answer est Rems, A est Rems, A	Port 2018/11/16 Wethod and Results: Ex1350.1:2007-A1:22 Ex1350.1:2007-A1:22 COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST UNUNING THAT TEST UNUNING THAT TEST UNUNING THAT TEST CONDUCT In a coordance is development of a fire; Proto Oracleto and ina coordance is give performance is give of or reaction of the coordance is give performance is give and the source of	009 Fire classification of construction data from reaction to fire tests with IN S0 1716. This test evalua- in a bomb calorimeter. e with EN 13823. This test evaluate under a fire situation simulating a secondance with EN 13501-12007* en in the table below. mance for construction products thermal invaluen products. Classification criteria PCS 51.0 MJ(m ^{4, 5} and PCS 54.0 MJ(m ^{4, 5} and P	ion products and building: ates the gross heat of combustion es the potential contribution of a single burning item near to the +A1:2009. The class A2 with its excluding floorings and linear pipe Additional classifications 		Tess Issue Tess 2 RES 1382 Note 1. Tes 2. Per board 3. The	Http Asseved. t Report Date: 2 C Terms, Method and Method ItsO 1716:2010 EN S2010+A1:2014 * t Rem marked with EN 13823, theth was a 12mm thick information of exercise	PCS	Parameter Facing coating, MJ/ Alurninium substrate, Adhesive film, MJ/ Core material, MJ/ Adhesive film, MJ/ Adhesive film, MJ/ Adhesive film, MJ/ The whole product, MJ Bottom coating, MJ Bottom coating, MJ The Whole product, MJ PiRRA ₂₀₂₀ , WJs THRay, WJs THRay, MJ Bottom coating, MJ Bottom coati	m ³ MI//rg m ⁴ MI//rg m ⁴ MI//rg MI//rg MI//rg MI//rg KI//rg K	Result 0.4 0 2.1 0 0 1.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
er Quality Annue Fest Recy, A sue Date: Fest Recy, A HeAT of P HeAT of P A Cassification A Cassification Class Clas Class	Port 2018/11/16 Vethod and Results: Evi 1350-11:207-A1:22 Evi 1350-11:207-A1:22 COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST USUNNE CONDUCTION TEST CONDUCTION TEACOMAINCE is development of a fire, is fire performance is give of reaction to fire of reaction to fire, is fire performance is give of reaction to fire, NIS0 1716 and Evi 13823 eneous products and sub ternal non-substantial con duct as a whole, hase of the development	2009 Fire classification of construction data from reaction to fire tests. with EN ISO 1716. This test evalua- in a bomb calorimeter. a with EN 13823. This test evaluate under a fire situation simulating a excordance with EN 13501-12007- en in the table below. The situation simulating a thermail mulation products. Classification criteria CS 4.50 M/I/R ⁺¹ and PCS 4.50 M/I/R ⁺¹	Ion products and building ates the gross heat of combustion as the potential contribution of a single burning item near to the A11:2009. The class A2 with its excluding floorings and linear pipe Additional classifications	経験	Tess Issue Tess 2 RES 1382 Note 1. Tes 2. Per board 3. The	why Assessed t Report Date: 22 ULTS AND OBSERA Method if SO 1716-2010 EN S2010+A1:2014 * t Rem marked with EN 13823, the sam was a 12mm thick information of act tayter No. face to back) 1	Results: TTONS PCS F F F F F * was council end f Mat	Parameter Parameter Parameter Parameter Adhesive film, Mul Adhesive film, Mul Ad	m ² MJ/ng m ² Ng m ² MJ/ng MJ/ng ecclege No flaming dr MJ/ng proved facility, located te of 80mm from the ba of the calcium silicate b leclared by applicant, see (kg/m ²)	Result 0.4 0 2.1 0 0.1 1.3 0.4 of specimen 0 0 22 plets/particles thin 600s at Guangzhou. cking board. Ba part dwas 900kg
ar Quity, Answer (est Rep (est Resp, A) (est Res	Port 2018/11/16 Wethod and Results: Evil 350-11:207-A1:22 Evil 350-11:207-A1:22 Evil 350-11:207-A1:22 COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST USUNNE COMBUSTION TEST COMBUSTION TEST COMBUSTION TEST Evil Antibio and a secondance in development of a fire, and Evil 350-31:216 and Evil 350-31716 and Evil 350-317	009 Fire classification of construction data from reaction to fire tests. = with EN 350 1716. This test evalua- in a bomb calorimeter. = with EN 3823. This test evaluate under a fire situation simulating a secondance with EN 13501-12007- en in the table below. = mance for construction products. Classification criteria PCS 4.10 M/m ² and PCS 4.10 M/m ²	Ion products and building ates the gross heat of combustion as the potential contribution of a single burning item near to the control of the start of the second s	a ¥	Tess Issue Tess 2 RES 1382 Note 1. Tes 2. Per board 3. The	Hity Assured t Report Date: 22 ULTS AND OBSERA Method if SO 1716-2010 EN 3:2010+A1:2014 * ULTS marked with EN 13823, the sam was a 12mm thick information of each targer No. face to back) 1 2 3	Results: TTONS PCS F * was core ples were calcium si th comport	Parameter Facing coating, MJ/ Aluminium subtrate, Adhesive film, MJ/ Core material, MJ/ Core material, MJ/ Adhesive film, MJ/ Adhesive film, MJ/ The whole aroduct, MJ Bottom coating, MJ The Wood arout and the Source Bottom coating, MJ The Wood arout and the Source Bottom coating, MJ The Source and the Source and the Source Source and the Source and the Source source and the product was do erial of each Layer Facing coating minium subtrate Adhesive film	m ³ MI//rg m ⁴ MI//rg m ⁴ MI//rg m ⁴ MI//rg MI/	Result 0.4 0.4 0 2.1 0 0 2.1 0 0 1.3 0 0 0 2.2 0 0 0 2.1 0 0 0 2.1 0 0 0.2 0.1 0.2 0.2 0.2 0.4 0.0 0.2 0.4 0.052 0.48

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intertek A2 class fire-proof aluminum core composite panel test report





intertek A2 class fire-proof aluminum core composite panel test report

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Test Report

	No. SDHL1811025739HI-02	Date: Jan.21, 2019	Page 1 of 16
	NSE DECORATIVE BUILDING MATER		
NO. 2, TANJIANG ROAD	, HUADU DISTRICT, GUANGZHOU, G	UANGDONG PROVINCE	
The following sample(s) w	vas / were submitted and identified on b	ehalf of the client as:	
Sample Description	: CEP BOARD		
Sample Receiving Date	: Nov.08, 2018		
Test Performing Date	: Nov.12, 2018 to Dec.06, 2018		
For further details, pleas	e refer to the following page(s)		
Signed for and on behall Shunde Branch	fof Standard Standard		
SGS-CSTC Co., Ltd.			
ada			
Peter Zhao	- 50 - 5 - 50 - 1		
Approved signatory			
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See Ser			
400 500 500 500 900 500 500 500 500 500 500 500	where a many second in territy, the second has been at the second s		

No		Test item	Test(s) Method	Result(s)	Conclusion
	1	Appearance Quality	GB/T 22412-2016 Section 6.4	No visible defect	Pass
	2	Tickness	GB/T 22412-2016 Section 6.5.2	10.0mm	010
	3	Length	GB/T 22412-2016 Section 6.5.1	500.10mm	1
	4	Width	GB/1 22412-2016 Section 6.5.1	500.17mm	19
	5	Diagonal Difference	GB/T 22412-2016 Section 6.5.3	0.2mm	Pass
	6	Edge Straightness	GB/T 22412-2016 Section 6.5.4	0.36mm	Pass
	7	Flatness	GB/T 22412-2016 Section 6.5.5	0.3mm	Pass
	8	Impact Resistance	GB/T 22412-2016 Section 6.6.6 & GB/T 1732-1993	No cracking or peeling	Pass
Part 1	3	Hydrochloric Acid Resistance of Coating	GB/T 22412-2016 Section 6.6.7	No visible change	Pass
	9	Oil resistance of coating	GB/T 22412-2016 Section 6.6.8 & Section 6.6.7	No visible change	Pass
		Alkali resistance of coating	GB/T 22412-2016 Section 6.6.9 & GB/T 8076-2008	No visible change	Pass
	10	Chemical Solvent Resistance of Coating	GB/T 22412-2016 Section 6.6.11	No visual substrate	Pass

45 5 55 55 50 55 50 55 55 55 55 55 55 55	P. 55	Average value: 6.65	1.0
	CD	N/mm	9 di
	(Front)	Minimum value: 6.24	557 - 9
5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		Average value: 2.84	199 B
Refer to GB/T 22412-2016	(Reverse)	Minimum value: 2.52	50 5
of Section 6 7 2 & GB/T 2790-	50 60 60 - 60	N/mm Average value: 8.63	191
	MD (Front)	N/mm Minimum value: 7.76	45
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44° _25 5 - 63	N/mm Average	50
	MD (Reverse)	value: 3.88 N/mm Minimum	5 55
40 - 40 - 50 - 50 - 50 - 50 - 50 - 50 -	9 49 19	value: 3.80 N/mm	- 48°
GB/T 22412-2016 Section 6.7.5	No visi	ble change	Pass
GB/T 22412-2016 Section 6.3	Average value	0.39mm	24
	Minimum value	0.38mm	Str 5
		Note Refer to GB/T 22412-2016 Section 6.7.2 & GB/T 2790- 1995 MD (Front) MD MD (Front) MD (Front) GB/T 22412-2016 Section 6.7.5 No visit Mp mpt GB/T 22412-2016 Section 6.7.5 No visit	Refer to GB/T 22412-2016 CB CB Nimm Refer to GB/T 22412-2016 Nimm Nimm Nimm 1995 Sectors 6.7.2 & GB/T 2290-2 Mimm Nimm Nimm 1995 Sectors 6.7.2 & GB/T 2290-2 Mimm Nimm Nimm 1995 Mimm Mimm Minmum Values: 8.24 Mim Minmum Minmum Nimm Minmum Value: Sign Minmum Nimm Minmum Minmum GB/T 22412-2016 Section 6.7.5 No visible change Minmum Minmum GB/T 22412-2018 Section 6.7.5 No visible change 34mm Minmum GB/T 22412-2018 Section 6.7.5 No visible change 34mm

	Test	Report N	o. SDHL1811025739HI-02	Date: Jan.21, 2019	Page 4 of 1
-35-	14	Adhesion of Coating	GB/T 22412-2016 Section 6.6.5 & GB/T 9286-1998	Adhesion testing: Rating 0 (See note 2)	Pass
	15	Flexibility of Coating	GB/T 22412-2016 Section 6.6.4	Flexibility of coating: 0T	Pass
	16	Glossiness	GB/T 22412-2016 Section 6.6.3 & GB/T 9754-2007	Glossiness: 1.8	Pass
	17	Surface Pencil Hardness	GB/T 22412-2016 Section 6.6.2 & GB/T 6739-2006	4H	Pass
	18	Coating Thickness	GB/T 22412-2016 Section	Average value: 23.0 µ m	Pass
3	3	- 49 - 49 - 49 - 49 - 49 - 49 - 49 - 49	6.6.1 & GB/T 4957-2003	Minimum value: 17.0 µ m.	
Part 2	1	Combustion	EN 13501-1:2007+A1:2009		
For furt	her det	performance alls, please refer to th		Classification: B-61, d0	
For furt	her det	- Contraction of the second se		Classification: B+81, d0	



	formation: e description: See (ohotos				
No.	Test item	Test(s) Method	Test(s) Condition	Result(s)	Require of GB/T 22412	Conclusie
1	Appearance Quality	GB/T 22412-2016 Section 6.4	Size: 500×500×10.0mm	No visible defect	See Table 1	Pass
2	Tickness	GB/T 22412-2016 Section 6.5.2	Size: 500×500×10.0mm	10.0mm	513	r
3	Length	GB/T 22412-2016	Size:	500.10mm	1 9	1
4	Width	Section 6.5.1	500×500×10.0mm	500.17mm	100	91
5	Diagonal Difference	GB/T 22412-2016 Section 6.5.3	Size: 500×500×10.0mm	0.2mm	≤5mm	Pass
6	Edge Straightness	GB/T 22412-2016 Section 6.5.4	Size: 500×500×10.0mm	0.36mm	≤1mm/m	Pass
7	Flatness	GB/T 22412-2016 Section 6.5.5	Size: 500×500×10.0mm	0.3mm	≤5mm/m	Pass
8	Impact Resistance	GB/T 22412-2016 Section 6.6.6 & GB/T 1732-1993	Size: 75×50×10.0mm Drop diameter: 12.7mm Drop weight: 1kg Height: 20cm	No cracking or peeling	≥20kg-cm	Pass

	Test Rep	ort No. SDF	HL1811025739HI-02	Date: Jan.21, 2019	Page	e 6 of 16
No.	Test item	Test(s) Method	Test(s) Condition	Result(s)	Require of GB/T 22412	Conclusio
10	Hydrochloric Acid Resistance of Coating	GB/T 22412-2016 Section 6.6.7	Size: 100×100×10.0mm Contact time: 24h Chemical reagent:	No visible change	55 50 50 55 5	Pass
9	Oil resistance of coating	GB/T 22412-2016 Section 6.6.8 & Section 6.6.7	①2%(v/v)HCI(AR) ②20# Engine oil	No visible change	No change	Pass
55	Alkali resistance of coating	GB/T 22412-2016 Section 6.6.9 & GB/T 8076-2008	 Ocement: calcium hydroxide; water=1:1:1 	No visible change	60 60 G	Pass
10	Chemical Solvent Resistance of Coating	GB/T 22412-2016 Section 6.6.11	Size: 430×100×10.0mm Solvent: Butanone Load: 1000g	No visual substrate	No visual substrate	Pass
				90 - 500 - 5	5 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	980 590 65 6

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Result(s)

Average value

Minimum 77 value

Ra

ing: Rating

(See note 2)

Require of GB/T Conclusi 22412

No change Page 8 of 16

Pass

Pass

о.	Test item	Test(s) Method	Test(s) Condition	Re	sult(s)	Require of GB/T	Conclusion	5 45	No.	Test item	Test(s) Method	Test
3	250 250	199 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	100 - 50 - 50 - 50 - 50 - 50 - 50 - 50 -	9 9 99 -	Average value: 6.65	22412	3 4	9 9	S. Com	9 - 655 6	5 55 S	Size: 200×20
	55.5	55 55 55 55 55	5 55 55	CD (Front)	N/mm Minimum value: 6.24	5 5	- 40 ·	5 5	12	Hot Water Resistance	GB/T 22412-2016 Section 6.7.5	Soak c (98±2 cooling
	55 5	55 55	Star Star	9 . B	N/mm Average	2	50 - 50 90 - 50	5 S	and	55 5	15 90 9 15 90 5	temper
	5 4 B	400 40 90 - 90	55 55 55 C	CD (Reverse)	value: 2.84 N/mm Minimum	9 6	6 5	3 3	Contraction of the local distance	Thickness	GB/T 22412-2016	Measu display eddy o
1	Peel Strength of	Refer to GB/T 22412-2016	Specimen width:25mm	3.3	value: 2.52 N/mm	12 3	19	9 5	13	Aluminium Panel	Section 6.3	Labora enviror 50±5%
	180'(Front)		Test Speed: 100mm/min	MD (Front)	Average value: 8.63 N/mm	810	-	1 4 A	10	Adhesion of Coating	GB/T 22412-2016 Tape Section 6.6.5 & Labo GB/T 9286-1998 envir	Spacine Tape: 3
	50.50				Minimum value: 7.76	a.	2.5	5 5	14			Labora environ 50±59
	5 55	5 5 5 5 5	5 45 5 F	17 48 5 40 c	N/mm Average value: 3.88	5.5	3 3	4	100	3 3	5 35 3	50±69
		50 50 50 50 50 50 50 50 50 50 50 50 50 5		MD (Reverse)	N/mm Minimum	400	- 40 ·	4	19			
	2 55 S	200	Sta Sta	500	value: 3.80 N/mm	219	\$ 5	5 5	5			
									55			



No.	Test item	Test(s) Method	Test(s) Condition	Result(s)	Require of GB/T 22412	Conclusio
15	Flexibility of Coating	GB/T 22412-2016 Section 6.6.4	Laboratory environment: 23±2°C+ 50±5%RH T - bending	Flexibility of coating: 0T	≤3T	Pass
16	Glossiness	GB/T 22412-2016 Section 6.6.3 & GB/T 9754-2007	Laboratory environment: 23±2°C, 50±5%RH Light source: standard C light source	Glossiness: 1.8	<10	Pass
17	Surface Pencil Hardness	GB/T 22412-2016 Section 6.6.2 & GB/T 6739-2006	Laboratory environment: 23±2°C, 50±5%RH Pencil: Mitsubish® Load: (750±10) g	4H (See note 3)	≷HB	Pass
18	Coating	GB/T 22412-2016 Section 6.6.1 &	Eddy current method Laboratory	Average value: 23.0 µ m	≥16 µ m	9.9
18	Thickness	GB/T 4957-2003	environment: 23±2°C+ 50±5%RH	Minimum value: 17.0 µ m	≥14 µ m	Pass
	2. In the GB/T 3. According to	GB/T 6739-2006, 9	removal I is the best and classifica H is the hardest, 9B is the -H-2H-3H-4H-5H-6H-7H-	softest.		
	و قو في قو					



-		San		Part 2:	98 - 95 - 95 -	TESTS AND RESULTS	1. 4 4 A	9 65 5 °
1				elements- 1. EN 1 expo 2. EN 13 impir Mounting	s conducted as per EN Part 1: Classification us 3823:2010+A1:2014 Re sed to the thermal attac SO 11925-2:2010+AC:2 gement of flame-Part 2 and fixing (For EN 13	13501-1:2007+A1:2009 Fire classif ing data from reaction to fire tests, saction to fire tests for building prod & by a single burning item. 011 Reaction to fire tests-ignitability Single-filame source test. 823:2010+A1:2014): anding at a distance of at least 80 m	And the test methods as ucts-Building products ex y of building products sub	following: cluding floorings jected to direct
15 J		-	1 2 1	Both wing	imen was tested free sta is were clamped at the t	lop and the bottom.	im from the backing boar	\$ \$.
Chemical Solvent F	Resistance of Coating	Hot Water Resista	ance	Test Res	ults:			
COLUMN TO T	TORNELLA MARKET	5 6 6	200 8 9	Test meth		Parameter	Number of tests	Results
	THE REAL PROPERTY OF		8 9 6 8		5. 4. 12	FIGRACIMU (W/s)	1. 3. 5	95.7
HAT?	34		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	97 7 19		FIGRA _{0 MJ} (W/s)	P 6 6 7	95.7
			3 A 18 95	6. 6.		THR600s (MJ)	58	1.2
	444		9 4 - 6 5	EN 13823	2010+A1:2014	SMOGRA (m²/s²)	3 5	8.9
		7 5 8,9	4 8 8 8	8. 19 6		TSP600s (m ²)	58 90	14.6
	11111111111111111111111111111111111111	S . T . S	de - 2 6 62	1 28		LFS < edge of specimen	1 6 8	Yes
	THE STATE		12 9 19	91. 2	2	Flaming particles or droplets	R 8 4	No
	13次計算, 10		5 6 8 60		1925-2:2010+AC:2011	Fs ≤ 150 mm	12	Yes
	- All the shall be set		9 9 , 9 5 5	. Exposure	= 30 s	Ignition of the filter paper	197	No
Surface Pe		5 9 6 M	5 50 500 500	For the cl LFS-Later	asses A2 and B, FIGRA asses C and D, FIGRA ral flame spread [m] otal heat release within	MJ		
Surface Pe				SMOGRA	ordan heart renealese within - Smoke growth rate (m otal smoke production s	2/52]		



JUJ	-01	JO		
Test Report No. SDHL1811025739HI-02 Date: Jan.21, 2019 Page 13 of 16	and a	est Report No	SDHL1811025739HI-02 Date	: Jan.21, 201
Classification and direct field of application: This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.	Table 1	- Classes of reaction to fi	re performance for construction produc	cts excluding f
	Class	Test method(s)	thermal insulation products. Classification criteria	Ade
Classification: Fire behaviour Smoke production Flaming droplets	6	12 60 6	A TS30°C and	6 6
B - s 1 . d 0	A 8.	EN ISO 1182 * and	A m≤50%, and b≈0(i.e. no sustained flaming)	3
Remark: The classes with their corresponding fire performance are given in Table 1. Reaction to fire classification is based on the 7-step scale of A1 to F, where A1 is good and F is bad	A1	EN ISO 1716	A m550%, and t=0(i.e. no sustained flaming) PCSs2 OMJ/kg * and PCSs2 OMJ/kg * and PCSs1 AMJ/m ^{2 d} and PCSs2 OMJ/kg *	3 49
Statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.	500 50	EN ISO 1182 * or	∆ T≤50°C, and	1
Winning: This disadification report does not represent type approval or certification of the product. The less likevatory has, therefore, play no part in sampling the product. for the test, although it holds appropriate references to the unanifacture's factory production corror that is aimed to be relevand to the samples tested and	A2	EN ISO 1716	and PCSs3.0MJ/kg * and PCSs4.0MJ/m ² ^b and PCSs4.0MJ/m ² ^d and PCSs3.0MJ/kg *	Star Star
that will provide for their traceability.	9 0	EN 13823	FIGRA≤120W/s and LFS <edge and<br="" of="" specimen="">THR₆₀₀₆≤7.5MJ</edge>	Smoke
	в	EN 13823 and	FIGRA≤120W/s and LFS <edge and<br="" of="" specimen="">THR600s≤7.5MJ</edge>	Smoke
	2 8 3	EN ISO 11925-2 Exposure =30s	Fs≤150mm within 60 s	3 3
	1 5	EN 13823 and	FIGRA<250W/s and LFS <edge and<br="" of="" specimen="">THR600s<15MJ</edge>	Smoke
	c	EN ISO 11925-2 Exposure=30s	Fs≤150mm within 60 s	53 G G
	100	EN 13823 and	FIGRA≤750W/s	Smoke
			1 18 St 1	100
	D	EN ISO 11925-21 Exposure=30s	Fss150mm within 60 s	
$M_{\rm eff} = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right)^{-1} \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right)^{-1} \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right)^{-1} \left(\frac{1}{2} - \frac{1}$	E	Exposure=30s EN ISO 11925-2 Exposure =15s	Fact 150mm within 20 s	flam
	1	Exposure=30s EN ISO 11925-2 Exposure =15s	0 0 0 0 0	fiami energy subsect to the Orient and Compared States of the same defined of the orient subsection of the States of the same defined of the States of the States of the States of the States of the States of the States of the States of the States of the States of the States of the States of the S
Comparing the second and the s	E	Eposure 105 BLOOTING 11252 - Eposure 155 White Post	Fiss180mm within 20 s Fiss180mm within 20 s which shows the s	enzy states to be to be the second states of the se
The second seco	E S(Eposure 30 Biblio 11925 21 Eposure -15 When we have the second secon	Essisticities and the second sec	enzy states to be to be the second states of the se
	E S(Eposure 300 Biblio 11925 2' Eposure -150 White States Biblio 11925 2' Bibliote States Bibliote About 10 Bibliote About 1	Essisticities and the second sec	enzy states to be to be the second states of the se
	E S(Eposure 300 Biblio 11925 2' Eposure -150 White States Biblio 11925 2' Bibliote States Bibliote About 10 Bibliote About 1	Essisticities and the second sec	enzy states to be to be the second states of the se
	E S(Eposure 30 BISO 1925 2 Eposure 15 When there is a second seco	Fis150mm within 20 5 Approximation of the state is	Inni Inni Inni Inni Inni Inni Inni Inni
	E SC T Ma	Eposure 30 BISO 1925 2 Eposure 15 White Provide the State Provide	Fis150mm within 20 5 Approximation of the state is	Entrin Entrin









Guangzhou Goodsense Decorative Building Materials Co.,Ltd.















































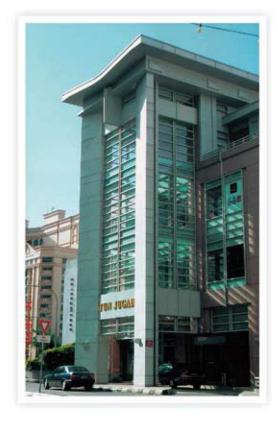


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