

CERTIFICATE



EGYPT AFRICA TO MANUFACTURE OF CLADDING BOARDS, PLASTIC AND ACRYLIC

ADDRESS: PLOT NO.40, INDUSTRIAL ZONE 4A, 10TH OF RAMADAN CITY,
EL SHARQEIA – EGYPT

Certify that the quality management system of the above organization has been audited and found to be in accordance with the requirements of standard detailed below.

ISO 9001:2015

For The Following Scope

MANUFACTURE CLADDING, PLASTIC AND ACRYLIC PANELS

Certificate No:- QAIS-Q-EG-MA-05.20.024
EA Code: 14

**This certificate was conducted in accordance with the QACS International Pvt. Ltd. auditing and Certification procedures and it is remain valid subject to annual surveillance audit.*

Certificate Issue Date: 9th July 2020
Date of Initial Registration: 9th July 2020
Certificate Validity: 3 Years

1st Surveillance Date: 8th July 2021
2nd Surveillance Date: 8th July 2022
***Expiry Date: 8th July 2023**

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

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103 Lakhmi Agency, 4/2 Old Palana,
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Authorised Signatory

QACS INTERNATIONAL

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www.qacsworld.com



EGYPT AFRICA FOR MANUFACTURING CLADDING , PLASTICS & ECLEREC
10TH OF RAMADAN 4A INDUSTRIAL ZONE NO. 40 , SHARQIA , EGYPT

Sample Description : FIRE RATED GRADE B ALUMINUM COMPOSITE PANEL
 Manufacturer : EGYPT AFRICA FOR MANUFACTURING CLADDING ,
 PLASTICS & ECLEREC
 Country of Origin : EGYPT

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No. : SDFS2107004745FF
 Sample Receiving Date : Jul 22, 2021
 Test Performing Date : Jul 22, 2021 to Aug 03, 2021
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	EN 13501-1:2018 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests	Classification: B-s1, d0	/


For further details, please refer to the following page(s)

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

scan to see the report



SDHL2107013178HI


 Peter Zhao
 Authorized Signatory



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SDHL 201327

TESTS AND RESULTS

Test Conducted:

This test is conducted as per EN 13501-1:2018 Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests. And the test methods as following:

- EN 13823:2020 Reaction to fire tests for building products-Building products excluding floorings exposed to the thermal attack by a single burning item.
- EN ISO 11925-2:2020 Reaction to fire tests-Ignitability of building products subjected to direct impingement of flame-Part 2: Single-flame source test.

Mounting and fixing (For EN 13823:2020):

The specimen was tested free standing at a distance of at least 80 mm from the backing board. Both wings were clamped at the top and the bottom.

Test Results:

Test method	Parameter	Number of tests	Results
EN 13823:2020	FIGRA _{0.2MJ} (W/s)	3	30.7
	FIGRA _{0.4MJ} (W/s)		30.7
	THR _{600s} (MJ)		3.1
	SMOGRA (m ² /s ²)		2.8
	TSP _{600s} (m ²)		28.9
	LFS < edge of specimen (Yes/No)		Yes
	Flaming particles or droplets within 600s (Yes/No); Combustion time, if any burning time: (≤10s / >10s)		No
EN ISO 11925-2:2020 Exposure = 30 s	F _s ≤ 150 mm (Yes/No)	12	Yes
	Ignition of the filter paper		No

Remark:

FIGRA-Fire growth rate index used for classification purposes [W/s]

For the classes A2 and B, FIGRA_{0.2MJ}

For the classes C and D, FIGRA_{0.4MJ}

LFS-Lateral flame spread [m]

THR_{600s}-Total heat release within 600 s [MJ]

SMOGRA-Smoke growth rate [m²/s²]

TSP_{600s}-Total smoke production within 600 s [m²]

Classification and direct field of application:

This classification has been carried out in accordance with EN 13501-1:2018.

Classification:

Fire behaviour	Smoke production	Flaming droplets
B	s 1	d 0



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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

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.

Warning:

This classification report does not represent type approval or certification of the product.
The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

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Shunde Branch

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中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Table 1 — Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products.

Class	Test method(s)	Classification criteria	Additional classification
A1	EN ISO 1182 ^a and	$\Delta T \leq 30^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_r = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^{b,c} and $PCS \leq 1.4\text{MJ/m}^2$ ^d and $PCS \leq 2.0\text{MJ/kg}$ ^e	-
A2	EN ISO 1182 ^a or	and $\Delta T \leq 50^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_r \leq 20\text{ s}$	-
	EN ISO 1716		
	EN 13823	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
B	EN 13823 and	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
C	EN 13823 and	$FIGRA \leq 250\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
D	EN 13823 and	$FIGRA \leq 750\text{W/s}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
E	EN ISO 11925-2 ⁱ Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	flaming droplets/particles ^h
F	EN ISO 11925-2 ⁱ Exposure = 15s	$F_s > 150\text{mm}$ within 20 s	-

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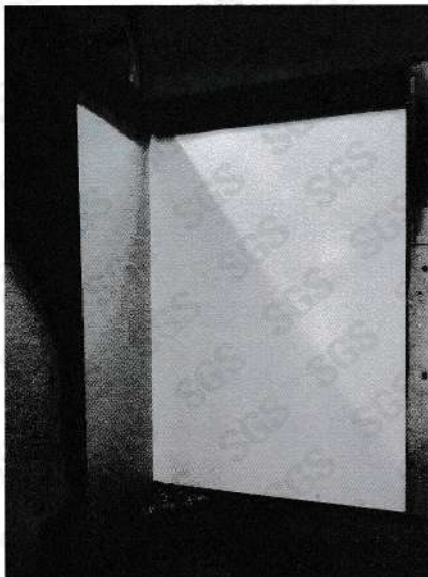
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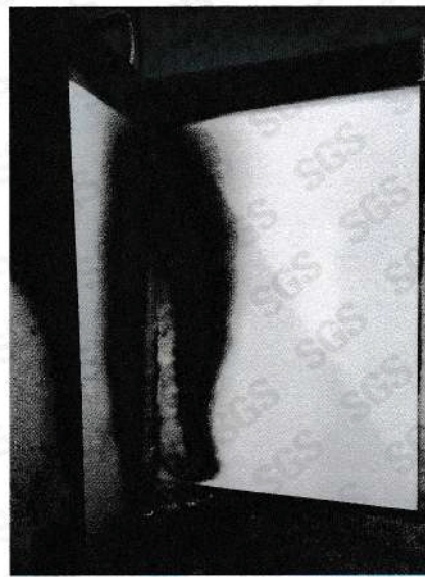
- ^a For homogeneous products and substantial components of non-homogeneous products.
 - ^b For any external non-substantial component of non-homogeneous products.
 - ^c Alternatively, any external non-substantial component having a PCS $\leq 2,0 \text{ MJ/m}^2$, provided that the product satisfies the following criteria of EN 13823: FIGRA $\leq 20 \text{ W/s}$, and LFS < edge of specimen, and THR_{600s} $\leq 4,0 \text{ MJ}$, and s1, and d0.
 - ^d For any internal non-substantial component of non-homogeneous products.
 - ^e For the product as a whole.
 - ^f In the last phase of the development of the test procedure, modifications of the smoke measurement system have been introduced, the effect of which needs further investigation. This may result in a modification of the limit values and/or parameters for the evaluation of the smoke production.
- s1 = SMOGRA $\leq 30 \text{ m}^2/\text{s}^2$ and TSP_{600s} $\leq 50 \text{ m}^2$; s2 = SMOGRA $\leq 180 \text{ m}^2/\text{s}^2$ and TSP_{600s} $\leq 200 \text{ m}^2$; s3 = not s1 or s2
- ^g d0 = No flaming droplets/ particles in EN 13823 within 600 s;
 - d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;
 - d2 = not d0 or d1.
- Ignition of the paper in EN ISO 11925-2 results in a d2 classification.
- ^h Pass = no ignition of the paper (no classification);
 - Fail = ignition of the paper (d2 classification).
 - ⁱ Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.

SAMPLE INFORMATION AND PICTURES

Thickness of the test specimen: 4.0mm
Density of the test specimen: 7.25kg/m²



Before Test (EN 13823)



After Test (EN 13823)

End of Report



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CERTIFICATE

OF APPRECIATION

Egypt Africa Factory Acp Llc.

Henan Everwin Trade Co., Ltd. Certify That The Aluminum Alloy Material Received From Our Factory Is 1100-3003 . And The Paint Materials Used For These Rolls Are One Of The Best Global Raw Materials Imported From The Largest International Paint Companies And Approved By Many International quality institutions . Our Company Is Always Happy To Cooperate With Us Towards More Success Together.



Henan Everwin Trade Co., Ltd.



EVERWIN



1 - 7 - 2020

DATE

MR : BRANDON LEE

SIGNATURE



OF ACHIEVEMENT
CERTIFICATE



◆◆ THIS CERTIFICATE IS PRESENTED TO ◆◆

EGYPT AFRICA FACTORY ACP LLC.

We Would Like To Inform You That The Materials Used In The Aluminum Rolls Exported To You
Are Made From The Best Types Of International Paint Coming To Us From Beckers International co.

for all color - (HDPE - PVDF)

This Certificate Was Presented At The Request Of Egypt Africa Factory For ACP - Egypt


Mr. Martin Doe
President Director

Good Luck
Decorative Materials Ma
Dubai




Mr. Alex Doe
General Manager

SPECTRUM

Appoints

Good Luck Decorative Materials Manufacturer LLC

As an approved applicator of coil coating products

(Polyester, High Durable Polyester, PVDF, FEVE, Nano, Epoxy etc.)

The appointment of Good Luck Decorative Materials Manufacturer LLC., Umm Al Quwain as a fully approved applicator of coil coating products indicates that they meet all the standards of application and quality control laid down by Spectrum Industries LLC, Dubai

All Spectrum products are manufactured according to quality management system based on ISO 9001:2015 standards

Issued this January 2020, by
Spectrum Industries LLC
P.O.Box 52161
Dubai, U.A.E



Sumeet Kachhawa
Director

KYNAR500FSF
2019, 2016