

**THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS**



6762

In accordance with UKAS accreditation to ISO 17065
Certification is Hereby Granted

to

Emerge Metal Industry L.L.C

*P.O. Box 1269, Plot no. R-288-290, Al Ghail Industrial Area,
Ras Al Khaimah, United Arab Emirates*

for

“Emerge U.K. FR A2”

**4 mm thick Aluminium Composite Material
(ASTM D1929-16 and BS EN 13501-1:2018)**

which, subject to limitations described on the following pages and continued
listing on www.tbwcert.com, complies with Product Certification Scheme
*SD03 Exterior Wall Assemblies, Cladding, Curtain Walls, Building Materials,
Products and Assemblies*

In witness whereof, this Certificate is issued this 3rd day of September 2019



Sandy Dweik
Chief Executive Officer

Nicholas Purcell
Director of Certification

Certificate Number: TBW0300513

Initial registration: September 3, 2019

Issued: September 3, 2019

Expiration: September 2, 2022

File Name: TG074 Emerge Metal Industry LLC (FR-A2)

This certificate and schedules are held in force by regular Factory Inspections by Thomas Bell-Wright International Consultants (TBWIC). Refer to www.tbwcert.com or contact TBWIC Fire Compliance Division to validate the current status of Certification. This certificate remains the property of THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS, PO BOX 26385, DUBAI, UAE.

Tel: +971 4 821 5777, Email: certification@bell-wright.com. Web: www.bell-wright.com F 19 Scheme Certificate Issue 5 Dec 2016

This document must not be reproduced, except in its entirety and with the express permission of Thomas Bell-Wright International Consultants

- 5.3. This certification pertains to the material as a standalone product; it does not extend to the overall system or assembly in which the product is installed.
- 5.4. The test (and Certification) do not address the following:
- 5.4.1. Measurement of heat transmission
 - 5.4.2. Effect of aggravated flame spread behaviour of an assembly resulting from the proximity of combustible walls and ceilings
 - 5.4.3. Classification or definition of material as non-combustible
 - 5.4.4. Any Resistance to Fire rating
 - 5.4.5. Toxicity level of smoke developed during combustion
 - 5.4.6. Fire propagation characteristics when tested as a large-scale façade cladding assembly
 - 5.4.7. Fire performance of panels having perforations or discontinuous surface
6. Product details and test results
- 6.1. Product description
- a. Trade Name: "Emerge U.K. FR A2"
 - b. Description: Aluminium Composite Material with mineral-filled core
 - c. Weight per square metre: $8.2 \pm 0.5 \text{ kg/m}^2$
 - d. Panel thickness: $4.0 \pm 0.2 \text{ mm}$
- 6.2. Product component details

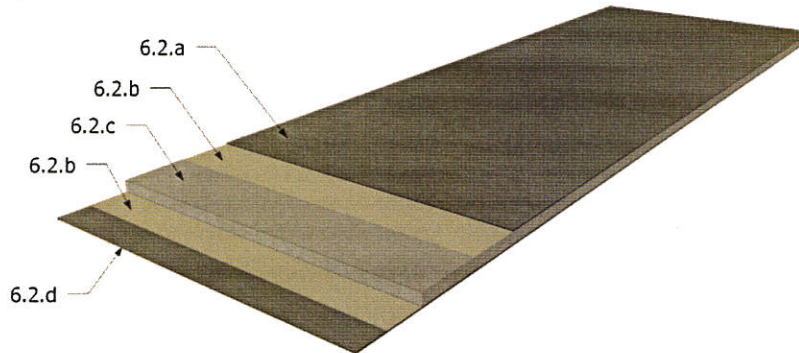


Figure 1: "Emerge U.K. FR A2" 4 mm thick Aluminium Composite Panel material - Typical details

- a. Exterior Skin (top skin)
Material: Aluminium, Alloy 3003-H16
Thickness: $0.5 \pm 0.028 \text{ mm}$
Coating type: Polyvinylidene Flouride (PVDF)
Coating thickness: $25 \pm 3 \text{ microns}$
- b. Adhesive Film
Material: Modified Polyethylene polyolefin
Thickness: $80 \pm 5 \text{ microns}$
Weight per unit area: $75 \pm 5 \text{ g/m}^2$
- c. Core
Description: Mineral-filled inorganic core
Thickness: $3.1 \pm 1 \text{ mm}$
Density: $1800 - 1850 \text{ kg/m}^3$

Certificate number: TBW0300513

Page 3 of 4


 Director of Certification
 Nicholas Purcell

Seal number: 100617

Issued: 3 Sep. 2019
Valid to: 2 Sep. 2022

This Certificate is the property of Thomas Bell-Wright International Consultants UAE.

Registered office: P.O. Box 26385, Dubai, UAE F 19 Scheme Certificate Issue 5 Dec 2016

This document must not be reproduced, except in its entirety and with the express permission of Thomas Bell-Wright International Consultants

- d. Interior Skin (bottom skin)
Material: Aluminium, Alloy 3003-H16
Thickness: 0.5 ± 0.028 mm
Coating type: Polyester
Coating thickness: 6 ± 2 microns

7. Approved Manufacturing Location

P.O. Box 1269, Plot no. R-288-290,
Al Ghail Industrial Area,
Ras Al Khaimah, United Arab Emirates

Certificate number: TBW0300513

Page 4 of 4



Director of Certification
Nicholas Purcell

Seal number: 100617

Issued: 3 Sep. 2019
Valid to: 2 Sep. 2022

This Certificate is the property of Thomas Bell-Wright International Consultants UAE.

Registered office: P.O. Box 26385, Dubai, UAE [F 19 Scheme Certificate Issue 5 Dec 2016](#)

This document must not be reproduced, except in its entirety and with the express permission of Thomas Bell-Wright International Consultants