



**THOMAS BELL-WRIGHT  
INTERNATIONAL CONSULTANTS**



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

to

*Profiles RH Factory LLC*

*P.O. Box 656, Sharjah UAE*

for

**Metal Faced Sandwich Composite/ Insulated Panel  
TEST METHOD: ASTM E84-15b**

which, subject to limitations described on the following pages and  
continued listing on [www.tbwcert.com](http://www.tbwcert.com), complies with Product Certification  
Scheme SD03 *Exterior Wall Assemblies, Claddings, Curtain Walls, Building  
Materials, Products, and Assemblies*

In witness whereof, this Certificate is issued this 1<sup>st</sup> day of August, 2016



Thomas F. Bell-Wright  
Certification Director

Suresh Kumar  
Quality Manager

Certificate number: TBW124c  
Initial registration: August 1, 2016  
File Name: QE079 Profiles RH Factory

Schedule number: TBW124s  
Issued: August 1, 2016

Seal Number: 100072  
Expiration date: July 31, 2019  
Save Date: 8/1/16 12:24 PM

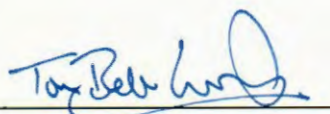
Revised certificate, identified as certificate number TBW###-X, supersedes previous versions from the issue date above.  
This certificate and schedules are held in force by regular Factory Inspections by Thomas Bell-Wright International Consultants (TBWIC). Refer to [www.tbwcert.com](http://www.tbwcert.com) 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: +9714 333 2692, Email: [fire@bell-wright.com](mailto:fire@bell-wright.com). Web: [www.bell-wright.com](http://www.bell-wright.com)

## Metal Faced Sandwich Composite/ Insulated Panel- PRH-25253-PUR

1. Certification is given for Metal Faced Sandwich Composite /Insulated Panel - PRH-25253-PUR for Reaction to Fire Test to the test standard ASTM E84-15b for Flame Spread Index (SDI) and Smoke Development Index (SDI) subject to the limitations below. Readers of this document should be familiar with Reaction to Fire Testing and the requirements of ISO 17065. The Certification will be listed on [www.tbwcert.com](http://www.tbwcert.com), while it remains current. This Certification is not valid if it is not listed.
2. The product is approved on the basis of TBWIC Product Certification Scheme SD03 for Exterior Wall Assemblies, Cladding, Curtain Walls, Building Materials, Products and Assemblies which includes pre-test sampling, evidence of performance (under ref: TBWIC Test Report No. QF023), Technical Verification and Proof of Performance, compliance to Factory Production Control requirements and surveillance & Re-certification Inspection/ Audits.
3. Limitations:
  - 3.1 ASTM E84 provides comparative measurements of surface flame spread and smoke density with that of select grade American Red Oak and fiber cement board surfaces under specific fire exposure conditions described in the standard.
  - 3.2 This certification covers the specifications as tested which are described in more detail in Section 4 and Section 6 below and include:
    - 3.2.1 core material, thickness, and density
    - 3.2.2 outer skin thickness & type
    - 3.2.3 paint & finishes
  - 3.3 This certification pertains to the tested material only and does not include the system or wall structure into which it will be installed.
  - 3.4 The test (and certification) do not provide the following:
    - 3.4.1 Measurement of heat transmission
    - 3.4.2 Effect of aggravated flame spread behavior of an assembly resulting from the proximity of combustible walls and ceilings.
    - 3.4.3 Classification or definition of material as noncombustible
    - 3.4.4 Any Resistance to Fire rating
    - 3.4.5 Any information relative to exposure of core material to flame
    - 3.4.6 Toxicity level of smoke developed during combustion

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Director Of Certification  
Thomas F. Bell-Wright

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4. System configuration and test results

4.1 When tested in accordance with ASTM E84-15b, Metal Faced Sandwich Composite /Insulated Panel- PRH-25253-PUR meets the criteria for a classification **Class A or Class 1** (International Building Code 2012)

Flame Spread Index (FSI)	10
Smoke Development Index (SDI)	250

4.2 Top Skin

Material: Pre-painted galvanized Steel ASTM A653  
 Minimum Thickness: 0.4 mm  
 Coating: Polyester  
 Maximum Coating Thickness: 25µm

4.3 Bottom Skin

Material: Pre-painted galvanized Steel  
 Minimum Thickness: 0.4 mm  
 Coating: Polyester  
 Maximum Coating Thickness: 25µm

4.4 Core

Material: Polyurethane  
 Reference: PU-MDI/Polyol  
 Maximum Thickness: 50 mm  
 Maximum Density: 40-42 kg/m<sup>3</sup>

5. Approved Manufacturing Location

Street # 4,  
 Industrial # 10  
 Sharjah, United Arab Emirates

6. Typical sandwich panel details

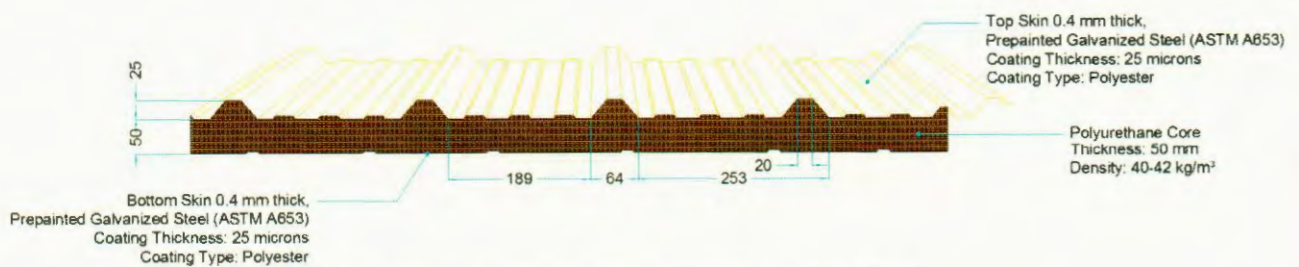


Figure 1. Metal Faced Sandwich Composite/ Insulated Panel- PRH-25253-PUR

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*Thomas F. Bell-Wright*

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 Registered office: P.O. Box 26385, Dubai, UAE