



**THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS**

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

to

PIZ S.r.l

*Via Dei Molini 22,
23013 Cosio Valtellino (SO),
Italy*

for

**“PIZ ROCK METABIO H89”
Cladding Panel
(ASTM D1929-16 and UNI EN 13501-1:2019)**

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 25th day of July 2019



Sandy Dweik

Sandy Dweik
Chief Executive Officer

Nicholas Purcell

Nicholas Purcell
Director of Certification

Certificate Number: TBW0300496

Initial registration: July 25, 2019

Issued: July 25, 2019

Expiration: July 24, 2019

File Name: TC083 PIZ S.r.l (ASTM D1929 & EN 13501-1)

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

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“PIZ ROCK METABIO H89” Cladding Panel

1. Certification is given for “PIZ ROCK METABIO H89” cladding panel material for Reaction to Fire performance to test standard ASTM D1929-16 for Spontaneous Ignition & Flash-ignition temperature, and Fire Classification according to UNI EN 13501-1:2019 - “Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire test”, subject to limitations herein. Readers of this document should be familiar with Reaction to Fire Testing and the requirements of ISO/IEC 17065:2012. This Certification will be listed on www.tbwcert.com, while it remains current. The 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 reference reports nos.: IGS/361988, TBWIC/TC084-1 and TBWIC/TC084-2) Technical Verification and Proof of Performance, compliance to Factory Production Control requirements and surveillance & Re-certification Inspection/ Audits.
3. This certification pertains to “PIZ ROCK METABIO H89” cladding panel composed of 9 mm thick skin of glass fibre reinforced cement mortar over a backing of mineral wool insulation of 80 mm thickness. The overall thickness of the panel material is 89 -0.5/+1.5 mm and weight per unit area is 30 ± 3 kg/m². Refer Section 4 and 5 for further details.
4. **Limitations:**
 - 4.1. This Certification is only valid for the material as tested and described in the reference report(s).
 - 4.2. The Reaction to Fire performance of the product was measured under controlled conditions based on the fire test requirements of the standards as described in the reference reports. The result(s) of these tests shall not be used as the sole criteria for fire-hazard or fire-risk assessment of an installation or system assembly under actual fire conditions.
 - 4.3. This certification is valid for the material as a standalone product; It does not extend to the overall system or assembly in which the product is installed.
 - 4.4. No variation allowed in the material composition unless recognized and approved by this certification.
 - 4.5. The test (and Certification) do not address the following:
 - 4.5.1. Measurement of heat transmission
 - 4.5.2. Effect of aggravated flame spread behaviour of an assembly resulting from proximity to combustible walls and ceilings
 - 4.5.3. Classification or definition of material as non-combustible
 - 4.5.4. Any Resistance to Fire rating
 - 4.5.5. Toxicity level of smoke developed during combustion
 - 4.5.6. Fire propagation characteristics when tested as large-scale façade cladding assembly
 - 4.5.7. Water absorption, physical and mechanical properties, weathering resistance etc.

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Director of Certification
Nicholas Purcell

Seal number: 100647

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5. Product details

5.1. Product Details

- a. Reference: "PIZ ROCK METABIO H89"
- b. Overall thickness: $89 -0.5/+1.5$ mm
- c. Weight per unit area: 30 ± 3 kg/m²

5.2. Product component details

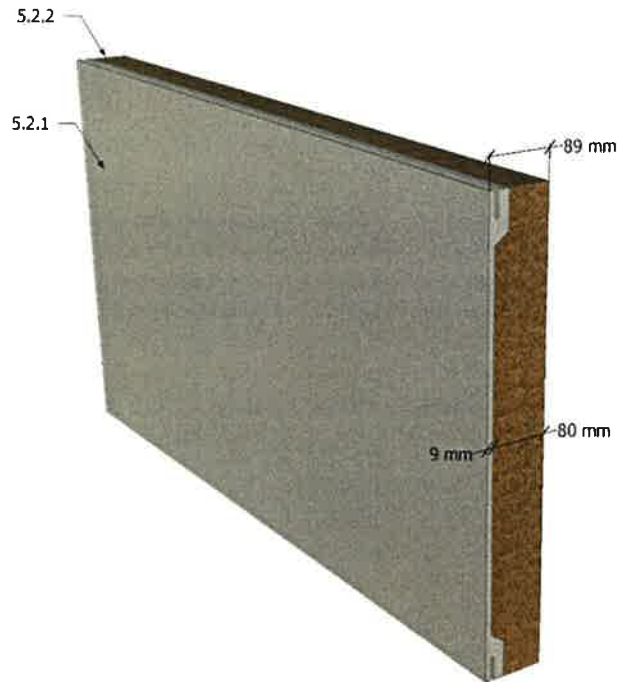


Figure 1: Typical product illustration

5.2.1. Cement Mortar

Description: Glass fibre reinforced cement mortar

Thickness: 9 ± 1 mm

Density: 1925 ± 77 kg/m³

5.2.2. Insulation

Description: High-density mineral wool insulation

Thickness: $80 +0.5/-1$ mm

Density: 135 ± 13.5 kg/m³

6. Test Results

- 6.1. When tested in accordance with ASTM D1929-16, for the cement mortar component of "PIZ ROCK METABIO H89", the ignition temperatures are as follows:

Test Report Reference: TBWIC/TC084-1

Spontaneous Ignition Temperature	> 750 °C
Flash-ignition temperature	> 750 °C

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- 6.2. When tested in accordance with ASTM D1929-16, for the mineral wool insulation component of "PIZ ROCK METABIO H89", the ignition temperatures are as follows:

Test Report Reference: TBWIC/TC084-2

Spontaneous Ignition Temperature	> 750 °C
Flash-ignition temperature	> 750 °C

- 6.3. When tested in accordance with the fire test requirements of UNI EN 13501-1:2019 classification standard, "PIZ ROCK METABIO H89" cladding panel material achieves the following classification:

Class A1

Test Report Reference: IGS/361988

7. Approved Manufacturing Location

Via Dei Molini 22,
23013 Cosio Valtellino (SO),
Italy

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