

# DEGREE OF THE FIRE SPREAD CLASSIFICATION REPORT IN ACCORDANCE WITH PN-B-02867:2013-06

Contract No. 00670/25/Z00NZP

|                                 |                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sponsor:</b>                 | Eco Bierzo Composite S.L.<br>Calle Isaac Prado Bodelon S/N,<br>Poligono Industrial de la Rozada<br>24516 Parandones, Toral de los Vados (Leon), Spain |
| <b>Prepared by:</b>             | <b>Building Research Institute; 1, Filtrowa str.<br/>00-611 Warszawa, Poland</b>                                                                      |
| <b>Product name:</b>            | <b>Cladding of external walls made of composite panels<br/>with the trade name STACBOND FR (riveted)</b>                                              |
| <b>Classification report №:</b> | 00670.1/25/Z00NZP                                                                                                                                     |
| <b>Issue number:</b>            | 1                                                                                                                                                     |
| <b>Date of issue:</b>           | 26.11.2025                                                                                                                                            |
| <b>Date of validity:</b>        | 26.11.2028                                                                                                                                            |

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## 1. Introduction

This classification report defines the classification assigned to the Cladding of external walls made of composite panels with the trade name STACBOND FR (riveted), in accordance with the procedures given in PN-B-02867:2013-06.

## 2. Test reports & test results in support of classification

### 2.1 Test report for degree of fire spread acc. PN-B-02867:2013-06

| Name of laboratory                                      | Name of sponsor           | Test report № and date of issue     | Test result |
|---------------------------------------------------------|---------------------------|-------------------------------------|-------------|
| Fire Research Laboratory<br>Building Research Institute | Eco Bierzo Composite S.L. | LZP01-00670/25/Z00NZP<br>26.11.2025 | NRO         |

Description of tested wall:

Cladding of external walls made of composite panels with the trade name STACBOND FR (riveted), 4 mm thick, manufactured by Eco Bierzo Composite S.L.. (Spain).  
STACBOND FR (riveted) panels are made of external cladding made of aluminum sheet 0.5 mm thick, covered with PVDF paint.  
The core is made of a polyethylene/mineral fillers composite with a thickness of 3 mm.  
Density of the core is 1600 kg/m<sup>3</sup> ± 5 %  
STACBOND FR (riveted) panels are fixed to the aluminum supporting structure.  
The aluminum supporting structure is fixed with metal screws to the non-flammable substrate.  
The insulating layer is mineral wool with a density of 64,4 kg/m<sup>3</sup>, class A1 according to PN-EN 13501-1.  
There is an 50 mm air gap between the STACBOND FR panels and the mineral wool insulation.

## 3. Classification and field of application

### 3.1 Reference of classification

This classification has been carried out in accordance with PN-B-02867:2013-06.

### 3.2 Classification

The classification assigned to: *Cladding of external walls made of composite panels with the trade name STACBOND FR (riveted)*.

**DEGREE OF THE FIRE SPREAD:****NRO****3.3 Field of application**

This classification is valid for the following parameters defining the components of the product:

*Cladding of external walls made of composite panels with the trade name STACBOND FR (riveted), 4 mm thick, manufactured by Eco Bierzo Composite S.L. (Spain).*

*STACBOND FR (riveted) panels are made of external cladding made of aluminum sheet 0.5 mm thick, covered with PVDF paint.*

*The core is made of a polyethylene/mineral fillers composite with a thickness of 3 mm.*

*Density of the core is  $1600 \text{ kg/m}^3 \pm 5 \%$*

*STACBOND FR (riveted) panels are fixed to the aluminum supporting structure.*

*The aluminum supporting structure is fixed with metal screws to the non-flammable substrate.*

*The insulating layer is mineral wool with a density of min.  $64,4 \text{ kg/m}^3$ , class A1 according to PN-EN 13501-1.*

*There is an min. 50 mm air gap between the STACBOND FR panels and the mineral wool insulation.*

This classification is valid for the following end uses:

*The classification refer to the product which is used on a substrate classified as at least A2- s3,d0 according to PN-EN 13501-1.*

**4. Limitations**

This classification has been issued in electronic form, with qualified electronic signatures of persons responsible. A printout of this report is not an original document.

A document bearing a qualified electronic signature whose certificate has already expired is still valid (the certificate was valid on the day the document was signed).

Additional approved copies can be issued by Fire Research Department – Building Research Institute under the request of the report's owner only.

This classification document does not represent type approval or certification of the product.

| Classification | Name                          | Date       | Signature   |
|----------------|-------------------------------|------------|-------------|
| Prepared by    | Robert Blajda MSc.. Eng.      | 26.11.2025 | e-signature |
| Verified by:   | Bartłomiej K. Papis PhD. Eng. | 26.11.2025 | e-signature |

Head of Fire Research Department

Bartłomiej K. Papis PhD. Eng.

e-signature