



Instytut Techniki Budowlanej

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

Contract No. 01255/22/Z00NZZ

Sponsor:	Sistemas Técnicos del Accesorio y Componentes, S.L. Polígono Industrial Picusa, La Matanza, s/n 15900 Padrón A Coruna Spain
Prepared by:	Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland
Product name:	Cladding of external walls made of composite panels with the trade name Stacbond FR (riveted)
Classification report №:	01255.2/22/Z00NZZ
Issue number:	Copy № 2
Date of issue:	14.06.2022
Date of validity:	14.06.2025

This classification report consists of 2 pages and may only be used or reproduced in its entirety.

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 Building Research Institute	Sistemas Técnicos del Accesorio y Componentes, S.L.	LZP02-01255/22/Z00NZZ 06.06.2022	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 Sistemas Técnicos del Accesorio y Componentes, 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.

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/m³, class A1 according to PN-EN 13501-1.

There is an 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 Sistemas Técnicos del Accesorio y Componentes, 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.

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 kg/m³, class A1 according to PN-EN 13501-1.

There is an 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+A1:2019.

4. Limitations

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

Signed

 Robert Błajda M.Sc.Eng.

Approved

 HEAD
 of Fire Research Department
 Bartłomiej Papis, PhD Eng.