

This classification report replaces the classification report EUFI29-21004016-T10 dated 27 October 2021. Field of application in section 4.3 has been changed.

**CLASSIFICATION OF REACTION TO FIRE
IN ACCORDANCE WITH EN 13501-1:2018**

Sponsor: Certifix Ltd.
Hub 22 Pepper House, Pepper Road
Hazel Grove, Stockport
SK7 5DP
England

Prepared by: Eurofins Expert Services Oy
Kivimiehentie 4, Espoo
FI-02150 Espoo, Finland

Notified Body No: 0809

Product: **Certifix Ltd - CERTIPANEL**

Classification report No: EUFI29-21004016-T12

Date of issue: 3 November 2021

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

1 Introduction

This classification report defines the classification assigned to the product Certifix Ltd - CERTIPANEL in accordance with the procedures given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product Certifix Ltd - CERTIPANEL is defined as fibre cement flat sheet with coating.

2.2 Product description

The product Certifix Ltd - CERTIPANEL is described below.

Manufacturer: Certifix Ltd.

Product description: Fibre cement flat sheet, coating on both sides

Density of fibre cement flat sheet: ~ 1800 kg/m³

Thickness: 8, 10, 12 mm

Coatings:

- Water-based one-component acrylate exterior paint 1 (10,9 MJ/kg) (more details in test reports)
- Water-based one-component acrylate exterior paint 2 (16,7 MJ/kg) (more details in test reports)

Coating system options: (more details of the coating systems in test reports)

1. Elements

Coatings on surface side: 5 g/m² and 150 g/m²

Coating on reverse side: 150 g/m²

2. Metallic

Coatings on surface side: 60 g/m² and 150 g/m²

Coating on reverse side: 150 g/m²

3. Relentless

Coatings on surface side: 60 g/m², 150 g/m² and 20 g/m²

Coating on reverse side: 20 g/m²

4. Relentless Plus

Coatings on surface side: 150 g/m² and 20 g/m²

Coatings on reverse side: 150 g/m² and 20 g/m²

5. Texture

Coatings on surface side: 150 g/m²

Coating on reverse side: 150 g/m²

6. Limitless

Coatings on surface side: 150 g/m² and 20 g/m²

Coating on reverse side: 20 g/m²

3 Test reports and test results in support of classification
3.1 Test reports

Name of laboratory	Name of sponsor	Test report	Test method and date
Eurofins Expert Services Oy	Certifix Ltd.	EUFI29-21004016-T5	EN 13823 27 August 2021
Eurofins Expert Services Oy	Certifix Ltd.	EUFI29-21004016-T6	EN 13823 27 August 2021
Eurofins Expert Services Oy	Certifix Ltd.	EUFI29-21004016-T7	EN ISO 1716 27 August 2021

3.2 Test results

Test method	Parameter	Number of tests	Continuous parameter mean (m)	Compliance parameters
EN ISO 1716	PCS (MJ/kg)	3	10,9 ¹⁾ , 16,7 ²⁾ , 0,8 ³⁾ , 0,9...1,1 ⁴⁾ 1,6...3,5 ⁵⁾ , 0,3...2,0 ⁶⁾	Compliant
	PCS (MJ/m ²)			Compliant
EN 13823	FIGRA _{0,2 MJ} (W/s)	3+2	27 ⁷⁾ , 32 ⁸⁾ , 30 ⁹⁾	Compliant
	FIGRA _{0,4 MJ} (W/s)	3+2	27 ⁷⁾ , 32 ⁸⁾ , 30 ⁹⁾	Compliant
	THR _{600s} (MJ)	3+2	2,7 ⁷⁾ , 1,7 ⁸⁾ , 1,8 ⁹⁾	Compliant
	LFS edge	3+2	-	Compliant
	SMOGRA (m ² /s ²)	3+2	5 ⁷⁾ , 3 ⁸⁾ , 4 ⁹⁾	Compliant
	TSP _{600s} (m ²)	3+2	28 ⁷⁾ , 29 ⁸⁾ , 23 ⁹⁾	Compliant
	Flaming droplets / particles	3+2	-	Compliant
EN 13823	FIGRA _{0,2 MJ} (W/s)	3	34 ¹⁰⁾	Compliant
	FIGRA _{0,4 MJ} (W/s)	3	34 ¹⁰⁾	Compliant
	THR _{600s} (MJ)	3	1,2 ¹⁰⁾	Compliant
	LFS edge	3	-	Compliant
	SMOGRA (m ² /s ²)	3	4 ¹⁰⁾	Compliant
	TSP _{600s} (m ²)	3	14 ¹⁰⁾	Compliant
	Flaming droplets / particles	3	-	Compliant

- 1) External non-substantial component, paint 1 2) External non-substantial component, paint 2 3) Substantial component (fibre cement flat sheet)
 4) Product as a whole 5) Surface side paint systems 6) Reverse side paint systems 7) Product with black painting
 8) Product with red painting 9) Product with white painting 10) Product with black painting (Relentless Plus)

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The product Certifix Ltd - CERTIPANEL in relation to reaction to fire behaviour are classified:

A2

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

i.e.: A2-s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- thickness of the board ≥ 8 mm
- density of board $1800 \text{ kg/m}^3 \pm 150 \text{ kg/m}^3$
- with surface and reverse side coating systems described in **section 2.2**
- any colour of coating

This classification is valid for the following end use application:

- with or without vertical and horizontal joints (opening width ≤ 8 mm)
- fixed with all other types of mechanical devices such as metal (excluding aluminium) screws, nails or rivets
- fixed at different (wider or closer) horizontal or vertical fixing centres
- fixed to wooden or metallic (including aluminium) profiles
- without thermal insulation in the cavity or with other types of class A2-s1, d0, according to EN 13501-1 insulation materials as long as a ventilated air gap of at least (40 ± 1) mm directly behind the sheets is present

5 Limitations

This classification report does not represent type approval or certification of the products.

Espoo, 3 November 2021

Kimmo Kuikanmaki-Li
Author

Jussi Haatainen
Manager, Materials

DISTRIBUTION

Customer, electronically approved