

CLASSIFICATION REPORT

Covering

Name of sponsor:	EcoCocon UAB		
Product name:	EcoCocon straw-wood panel with Fermacell boards		
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Client information

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The results relate only to the items tested. The classification report should only be reproduced in extenso – in extracts only with a written agreement with this institute.

Content

Introduction	4
Details of classified product.....	4
General	4
Product description.....	4
Reports in support of the classification.....	4
Test report	4
Test results.....	5
Classification and field of application	5
Reference.....	5
Classification	5
Field of application.....	5
Limitations.....	6

Introduction

This classification report defines the classification assigned to the product in accordance with the procedures given in EN 13501-2:2016.

This classification report includes the direct field of application of the test results.

Details of classified product

General

Producer of product: EcoCocon UAB

The product was designated: EcoCocon straw-wood panel with Fermacell fibre boards.

The classification is valid for the following end use application: Covering

Product description

The product was 6 pieces of straw-wood panels fastened to each other with a wind blocker, plywood formwork and a layer of Fermacell fibre boards.

The details of the product are described in DBI test report PGA12240A.

Reports in support of the classification

Test report

The product was successfully tested in accordance with EN 14135:2004 Coverings – Determination of fire protection ability. The evidence for this is given in the test report listed below:

Reference test:				
Name of Laboratory	Name of sponsor	Test report file no.	Test method	Date of test
Danish Institute of Fire and Security Technology	EcoCocon UAB	PGA12240A dated 30-01-2023	EN 14135:2004	25-01-2023

Test results

DBI test report PGA12221A concerns a fire protection ability test of a covering consisting of "Fermacell fibergips" and straw-wood panel.

Test Duration	Parameter	Test results
10 minutes	Integrity - Collapse of the covering or parts of it: - Ignition or charring of the chipboard: - Burnt, charred, melted or shrunk material on the wood straw-panels:	No failure No failure No failure
	Insulation - Temperature rise on the unexposed side of the covering: Average: Maximum: - Temperature rise on the lower side of the substrate: Average: Maximum:	No failure 97 °C 102 °C 91 °C 94 °C

Classification and field of application

Reference

This classification has been carried out in accordance with clause 7.6 of EN 13501-2:2016.

Classification

The product is classified according to the following combinations of performance and classes as appropriate.

Fire protection ability classification: **K₁ 10 and K₂ 10**

Field of application

The classification is valid for the following end use conditions:

The test results are directly applicable to similar constructions where one or more changes in this field of application are made, and the construction continues to comply with the appropriate design code for its stiffness and stability. Other changes are not permitted.

- With gypsum fibre boards designated "Fermacell fibergips" with a maximum dimension of 1200 x 900 mm (width x length) or smaller.
- One layer of gypsum fibre boards designated "Fermacell fibergips" with a nominal thickness of 12.5 mm.
- The fibre boards on 6 mm thick formwork leaving an airgap of 6 mm.
- The fibre boards were mounted with glue designated "Fermacell™ klæbefuge+ greenline" in the butted joints.

- One layer of wind blocker designated "Solitex Mento" with a nominal thickness of 0.4 mm.
- With the same fixing method (staples TJEP PZ-16 50 mm) with a cc of maximum 150 mm or closer distance between the fixings in the test specimen
- One layer of straw-wood panel with a thickness of 400 mm, a maximum panel size of 3000 x 800 mm (length x width) and mounted with T-joints and X-joints.
- Horizontal, vertical and sloped application of the covering.
- On a substrate as tested minimum 400 mm straw-wood panels with a nominal density of 100 kg/m³, designated "Standard, Column and Braced"
- .
- The rest of the details must be as in test report PGA12240A.

Limitations

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

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