CLASSIFICATION REPORT
Covering

Name of sponsor:	**EcoCocon UAB**
Product name:	EcoCocon straw-wood panel with clay
File no.:	PCA10852A **Revision No:** 0
Date:	30-01-2023
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Ref:	MRD / NOL

DBI 🔥 FIRE AND SECURITY

Client information

Client: EcoCocon UAB

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               LT-2600 Vilnius

               Lithuania

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

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 clay.

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 layer of clay.

The details of the product are described in DBI test report PGA12221A.

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	PGA12221A dated 20-01-2023	EN 14135:2004	12-01-2023

Test results

DBI test report PGA12221A concerns a fire protection ability test of a covering consisting of clay 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 EPS:
	
	Insulation
	
	- Temperature rise on the lower side of the substrate:
	      Average:
	      Maximum:
		
		No failure
		
		No failure
		
		No failure
		
		No failure
		
		125 °C
		174 °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: **K_1 10 and K_2 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 a layer of clay min. 25 mm and min. density 1600 kg/m^3 made of 0 – 4 mm sharp sand/gravel aggregate mixed with clay powder. With a mesh net place 5 mm in from the exposed side.
- One layer of straw-wood panel with a thickness of 400 mm, a maximum panel size of 3000 x 800 mm (length x width). The wooden framing system can be mounted with T-joints, X-joints and angular-joints as tested.
- Horizontal, vertical and sloped application of the covering.
- On a substrate as tested: 400 mm thick straw-wood panels with a nominal density of 100 kg/m^3, designated "Standard, Column and Braced".
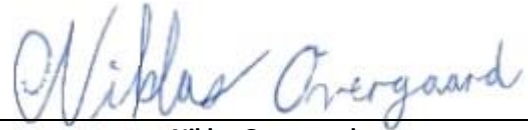- The rest of the details must be as in test report PGA12221A.

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Limitations

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

Danish Institute of Fire and Security Technology

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