



# Classification Report Covering

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**Name of sponsor:** Robin Wood ApS (Briiso)  
**Product name:** K<sub>1</sub> 10  
**File no.:** PCA10497A      **Revision no.:** 0  
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# Client information

Client: Robin Wood ApS (Briiso)

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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.



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## Introduction

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

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

## Details of classified product

### General

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Producer of product: Robin Wood ApS (Briiso)

The product was designated: K<sub>1</sub> 10: 40 mm PIR foam as the substrate with a 25 mm thick brick covering.

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

### Product description

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The product is a 35 mm thick covering consisting of bricks (25 mm) and mortar (10 mm) mounted directly on PIR insulation boards. The PIR insulation boards were fixed with 24 pcs. screws/plug and adhesive directly to the 19 mm chipboard.

The details of the product are described in DBI test report PGA10544.



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# Reports in support of the classification

## Test report

The product was successfully tested in accordance with EN 14135:2004. 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	Robin Wood ApS (Briiso)	PGA10544 dated 09-09-2014	EN 14135:2004	11-08-2014

## Test results

DBI test report PGA10544 concerns a fire protection ability test of a covering consisting of bricks and mortar mounted directly on PIR insulation boards. The construction (bricks, mortar and insulation) was mounted directly on chipboard with no air cavities in the construction.

Test Duration	Parameter	Test results
10 minutes	<b>Integrity</b> - collapse of the covering or parts of it: - Ignition or charring of the chipboard: - Burnt, charred, melted or shrunk material on the PIR:	 No No No
	<b>Insulation</b> - Maximum measured temperature rise on the lower side of the substrate:	 Average: 112 °C Maximum: 143 °C



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# 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<sub>1</sub> 10**

## Field of application

The classification is valid for the following end use conditions for the covering:

- Horizontal, vertical and sloped application of the covering.
- Prefabricated 40 mm (thickness) with a nominal density of 35-40 kg/m<sup>3</sup> PIR foam boards with a maximum size of 1200 x 2500 mm.
- With running bond (pattern) connections between the bricks.
- With the same fixing method but closer spacing between the fixings than in the test specimen.

## Limitations

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

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