Classification Report Covering

Name of sponsor:	**Tekment A/S**		
Product name:	TEKMENT ® CLADDING		
File no.:	PCA10535A	**Revision No:**	0
Date:	16-01-2019		
Pages:	6	**Encl.:**	None
Ref:	ANO / NOL		

Danish Institute of Fire and Security Technology

Jernholmen 12, DK-2650 Hvidovre · Phone: +45 36 34 90 00 · E-mail: dbi@dbi-net.dk · www.dbi-net.dk

ilac-MRA DANAK Test Reg.no. 0012

Client information

Client: Tekment A/S

Address: Bakkevej 19

5750 Ringe

Danmark

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 **5**
Test report **5**
Test results **5**
Classification and field of application **6**
Reference **6**
Classification **6**
Field of application **6**
Limitations **6**

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

Producer of product: Tekment A/S

The product was designated: TEKMENT ® CLADDING

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

Product description

The product is a 18mm thick cement-bonded particleboard covering mounted directly on 50 mm PUR foam insulation. The fibercementboard is fastened to the PUR directly in manufacturing.

The details of the product are described in DBI test report PGA11284A dated 12-10-2018.

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	Tekment A/S	PGA11284A dated 12-10-2018	EN 14135:2004	13-09-2018

Test results

DBI test report PGA11284A concerns a fire protection ability test of a covering consisting of cement-bonded particleboards mounted directly on 50 mm PUR insulation foam. The construction (cement-bonded particleboards, insulation and HDF board) was mounted directly on chipboard with no air cavities in the construction.

Test Duration	**Parameter**	**Test results**
10 minutes	**Integrity**	
	- Collapse of the covering or parts of it:	No failure
	- Ignition or charring of the substrate:	No failure
	- Burnt, charred, melted or shrunk material on the PUR:	No failure
	Insulation	
	- Maximum measured temperature rise on the lower side of the substrate:	
	Average:	46 °C
	Maximum:	61 °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**

Field of application

The classification is valid for the following end use conditions:

- Horizontal, vertical and sloped application of the covering.
- 18 mm cement-bonded particleboards nominal density 1350 kg/m^3.
- Maximum board size 1200x3100 mm.
- Mounted on minimum 50 mm PUR insulation foam designated Baymer PXX-29-D-130/LBA with a nominal density of at least 50 kg/m^3.
- With a T-backing strip at all board connections.
- With T and + joints.
- With the same fixing method but closer spacing between the fixings than in the test specimen. The tested cc was 100 mm.

Limitations

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

Danish Institute of Fire and Security Technology

Andreas Norsk
B. Eng.

Niklas O. Lauersen
M.Sc. (Civ.Eng.)

Tekment A/S

Bakkevej 19

5750 Ringe

Danmark