

Reaction to Fire Classification Report

Domestic Group 6



Client: Bentzon Carpets ApS
File no.: PCA10491A
Date: 2018-07-17
Pages: 4 Encl.: 1
Ref: LIA / JAG
Notified Body No. 0845



DBI

Client information

Client: Bentzon Carpets ApS
Address: Fabrikvej 15
5500 Middelfart
Denmark

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1. Introduction

This classification report defines the classification assigned to the product group "Domestic Group 6" in accordance with the procedures given in EN 13501-1:2007+A1:2009

2. Details of classified product group

2.1 Nature and end use application

The product group "Domestic Group 6" is defined as textile floor coverings according to EN 14041:2004 and EN14041:2004/AC:2006 Resilient, textile and laminate floor coverings – Essential characteristics. Its classification is valid for the products that in their end use application are glued onto floors and end use substrates of classes A1 and A2-s1,d0, cf. 4.3.

2.2 Description

The product group "Domestic Group 6" is listed in enclosure No. 1.

Further product specifications are known to DBI-Danish Institute of Fire and Security Technology and are filed under the file number above.

3. Reports and test results in support of this classification

3.1 Reports

Name of laboratory	Name of client	Report ref. No	Test method Field of application rules	Date
DBI	Bentzon Carpets ApS	PFA11189A PFA11189A Dated 2018-07-17	EN ISO 9239-1 EN ISO 11925-2	2018-06-21 2018-06-29

3.2 Test results

Test method and test number	Parameter	Number of tests ^a	Results	
			Continuous parameter mean	Compliance with parameters
EN ISO 9239-1 Critical heat flux	(CHF) kW/m ²	4	4.60	(-)
Smoke generation	% X min. (30 min.)	4	116	(-)
EN ISO 11925-2 Surface flame attack, 15 s exposure	$F_s \leq 150$ mm within 20 s.	6	(-)	Y
(-) not applicable Y yes ^a not for extended application				



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4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 12.5 and 12.9 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product group "Domestic Group 6" in relation to its reaction to fire behaviour is classified: C_{fl}

The additional classification in relation to smoke production is: s1

The reaction to fire classification for the product is: **$C_{fl}-s1$** .

4.3 Field of application

This classification is valid for the following end use conditions:

- any substrates of classes A1 and A2-s1,d0 at least 6 mm thick and with density equal to or greater than 1350 kg/m³
- with the product glued to the substrate with a vinyl acetate copolymer dispersion adhesive ; application rate: 300 - 350 g/m² (wet).

5. Limitations

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

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Domestic Group 6 Quality name	Structure	Pile material	Total weight approx. (g/m ²)	Total thickness approx. (mm)	Backing
Geysira Joekull	Flat woven	100% wool	1800	3.5	Cotton
Geysira Eلفur	Flat woven	100% wool	1800	3.5	Cotton
Daria	Flat woven	100% wool	1800	3.5	Cotton
Jasmin	Flat woven	100% wool	1800	3.5	Cotton