

# Reaction to Fire Classification Report

## Antares

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Bentzon Carpets ApS  
Fabrikvej 15  
5500 Middelfart  
Denmark

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## **1 SPONSOR**

Bentzon Carpets ApS  
Fabrikvej 15  
5500 Middelfart  
Denmark

## **2 INTRODUCTION**

This classification report defines the classification assigned to the product "Antares" in accordance with the procedures given in EN 13501-1:2007+A1:2009.

## **3 DETAILS OF CLASSIFIED PRODUCT**

### **3.1 NATURE AND END USE APPLICATION**

The product "Antares" is defined as a textile floor covering according to EN 14041:2004 and EN14041:2004/AC:2006 Resilient, textile and laminate floor coverings – Essential characteristics. Its classification is valid for the product that in the end use application is glued onto floors and end use substrates of classes A1 and A2-s1,d0, cf. 5.3.

### **3.2 DESCRIPTION**

The product "Antares" is fully described in the report in support of the classification listed in 4.1.

## 4 REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

### 4.1 REPORTS

Name of laboratory	Name of sponsor	Report ref. No	Test method Field of application rules	Date of test
DBI	Bentzon Carpets ApS	PFA10638 PFA10638	EN ISO 9239-1 EN ISO 11925-2	2014-10-29 2014-10-30

### 4.2 TEST RESULTS

Test method and test number	Parameter	Number of tests <sup>a</sup>	Results	
			Continuous parameter mean	Compliance with parameters
EN ISO 9239-1 Critical heat flux	kW/m <sup>2</sup>	4	8.21	(-)
Smoke generation	% X min. (30 min.)	4	19	(-)
EN ISO 11925-2 Surface flame attack, 15 s exposure	$F_s \leq 150$ mm within 20 s.	6	(-)	Y
(-) not applicable Y yes <sup>a</sup> not for extended application				

## 5 CLASSIFICATION AND FIELD OF APPLICATION

### 5.1 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.



## 5.2 CLASSIFICATION

The product "Antares" in relation to its reaction to fire behaviour is classified: C<sub>f</sub>

The additional classification in relation to smoke production is: s1

The reaction to fire classification for the product is: **C<sub>f</sub>-s1**.

## 5.3 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 1200 kg/m<sup>3</sup>
- with the product glued to the substrate with a polyacrylat-copolymer dispersion adhesive; application rate: 300 - 350 g/m<sup>2</sup> (wet).

## 6 LIMITATIONS

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

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Product	Structure	Pile material	Total weight approx. (g/m <sup>2</sup> )	Total thickness approx. (mm)	Backing
Antares	Tufted 5/32	100% pure new wool	2150	7.0	Cotton