Reaction to Fire Classification Report

Wall cover. Hint 667, 100% polyester FR

D B I

Client:	Kvadrat A/S
File no.:	PCA10480A
Date:	2018-03-06
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Ref:	LSK / MPA

ilac-MRA

DANAK
Test Reg.no. 12

D B I

Client information

Client: Kvadrat A/S

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                 8400 Ebeltoft

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GTS ADVANCED TECHNOLOGY GROUP

DBI

1. Introduction

This classification report defines the classification assigned to the product "Hint 667, 100% polyester FR" in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The product group "Hint 667, 100% polyester FR" is defined as textile wall cover.
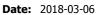
2.2 Product description

The product "Hint 667, 100% polyester FR" is a plain textile made out of polyester with a weight per unit area of 0.3 kg/m^2.

Product specifications are shown in enclosure 1.

3. Reports and results in support of this classification

3.1 Report

Name of laboratory	Name of client	Report ref. No	Test method Field of application rules	Date
DBI	Kvadrat A/S	PFA11143A	EN 13823 and EN ISO 11925-2	2018-03-06

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3.2 Results

Test methods	Parameter	Number of tests[a]	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823	FIGRA $_{0.2\,MJ}$ (W/s)	3	0	(-)
	FIGRA $_{0.4\,MJ}$ (W/s)	3	0	(-)
	THR $_{600s}$ (MJ)	3	0.5	(-)
	SMOGRA (m²/s²)	3	0	(-)
	TSP $_{600s}$ (m²)	3	41	(-)
	LFS < edge	3	(-)	Y
	FDP$_{f \leq 10s}$	3	(-)	Y
	FDP$_{f > 10s}$	3	(-)	Y
EN ISO 11925-2				
Surface flame attack, 30 s exposure	$F_s \leq 150$ mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
Edge flame attack, 30 s exposure	$F_s \leq 150$ mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
a Not for extended application Y "Compliant" (-) not applicable				

4.   Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11.6, 11.9 and 11.10 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product "Hint 667, 100% polyester FR" in relation to its reaction to fire behavior is classified: B.

The additional classification in relation to smoke production is: s1.

The additional classification in relation to flaming droplets/particles is: d0.

D B I

Reaction to fire classification:

B-s1,d0

4.3 Field of application

This classification is valid for the following end use conditions:

- any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 653 kg/m³
- with the product fixed mechanically to the substrate

5. Limitations

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

_____
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Technical Specification

Design : Hint 667

Composition : 100% polyester FR

Yarntype : Filament yarn

Binding : Plain

Width : 170 cm

Weight : App. 300 g/lin.m

Dying Method : Yarndyed

Lightfastness : Min. note 5, ISO 1-8

Ebeltoft, February 28, 2018 LH/lh