

Reaction to Fire Classification Report

Name of client: Kvadrat A/S
Product name: Twilight 0112
File no.: PCA10770A
Date: 2021-11-25 **Revision no.:** 0
Pages: 5 **Encl.:** 1
Ref: MRD / JAG

Client information

Client: Kvadrat A/S

Address: Lundbergsvej 10
DK-8400 Ebeltøft
Denmark

The results relate only to the items tested. The report should only be reproduced in extenso - in extracts only with a written agreement with this institute.

1. Introduction

This classification report defines the classification assigned to the product group "Twilight 0112" in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product group "Twilight 0112" is defined as curtain fabric.

2.2 Product description

The product "Twilight 0112" is a grey coloured fabric made of 59 % of polyester FR and 41 % polyester. See enclosure no. 1.

3. Reports and 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	Kvadrat A/S	PFA11822A	EN 13823 EN ISO 11925-2	2021-10-12 2021-10-04

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	0.1	(-)	
	SMOGRA (m ² /s ²)	3	0	(-)	
	TSP _{600s} (m ²)	3	0	(-)	
	LFS < edge	3	(-)	Y	
	FDP _{f≤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.	7	(-)	Y
		No ignition of filter paper	8	(-)	Y
Edge flame attack, 30 s exposure	No ignition of filter paper	$F_s \leq 150$ mm within 60 s.	6	(-)	Y
			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 13501-1:2018.

4.2 Classification

The product "Twilight 0112" 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

Reaction to fire classification:

B-s1,d0

4.3 Field of application

This classification is valid for the following end use conditions:

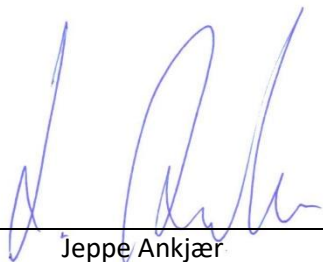
- Free hanging.

This classification is also valid for the following product parameters:

- No allowance from tested product.

5. Limitations

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



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Twilight

Design: Patricia Urquiola

Type: Dim-out curtain

Composition: 58% polyester FR, 41% polyester

Yarn type: Filament

Binding: Satin

Width: Approx. 300 cm, 118 inches

Weight: Approx. 1080 g/lin.m, 34.8 oz/ly

Colour difference may occur

Cleaning: Washing at max. 60°C. Drip drying.

Shrinkage approx. 1% when washed at 60°C.

Ironing might be necessary

More info: Care and maintenance kvadrat.dk

Disinfection, see www.kvadrat.dk



10 year
warranty



Twilight

Lightfastness

Note 5-6 ISO 105-B02

Light Reflection DIN EN 410

8-48% (test is performed in flat state)

Light Transmission DIN EN 410

0-0.8% (test is performed in flat state)

Absorption

0.55/Class D (flat), 0.80/Class B (waved) EN ISO 354

Airflow

1374 Pa s/m EN 29053

Flame resistance

AS/NZS 1530.3

ASTM E84 Class A Adhered

ASTM E84 Class A Unadhered

BS 5867 part 2 type B

DIN 4102 B1

EN 13 773 class 1

IMO FTP Code 2010 Part 7

NF P 92 507 M1

NFPA 701

SN 198 898 5.2

UNI 9177 Classe 1

Quality benefits

+ 99% dim-out

Good lightfastness

Permanent flame retardant

Washable

Acoustic performance

Environmental benefits

Follow the EU Ecolabel dye restrictions incl. AZO dye and

REACH compliant

Californian Proposition 65 list compliant

LBC Red list compliant

Healthier Hospitals compliant

kvadrat