

kvadrat

Kvadrat A/S
Lundbergsvej 10
8400 Ebeltoft Denmark
T +45 89 53 18 66 F +45 89 53 18 00
www.kvadrat.dk kvadrat@kvadrat.dk

CVR 45998517 Jyske Bank 5073 117977-1

EN 13501 B, s1-d0

Polyester FR

We have tested following designs acc. to EN 13501 B, s1-d0

Noon, 100% polyester FR, 60 g/m²
Balboa, 100% polyester FR, 685 g/m²

As both textiles pass B, s1-d0 we find that all textiles produced of min. 100% polyester FR in weight range 65-685 g/m² are covered by the following reports.

Best regards
Kvadrat A/S

Reaction to Fire Classification Report

Name of client: Kvadrat A/S
Product name: Noon 182 100% polyester FR
File no.: PCA10789A
Date: 2022-09-01 **Revision no.:** 1
Pages: 4 **Encl.:** 0
Ref: JAG / MPA

Client information

Client: Kvadrat A/S
Address: Lundbergsvej 10
DK-8400 Ebeltoft
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.

Revision chronology				
Rev. no.	Date	Description	Author	Approved
0	2022-03-04		JAG	MPA
1	2022-09-01	Corrected unit from 65 kg/m ² to 65 g/m ² in section 2.2	JAG	MPA

1. Introduction

This classification report defines the classification assigned to the product group “Noon 182 100% polyester FR” in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product group “Noon 182 100% polyester FR” is defined as curtain fabric.

2.2 Product description

The product “Noon 182 100% polyester FR” is a grey coloured fabric made of 100% Fire retardant polyester with a weight per unit area: 65 g/m² and a thickness of approx. 0.16 mm.

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

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	PFA11880A	EN ISO 11925-2 EN 13823	2022-02-04 2022-02-16

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	0.2	(-)
	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 ≤ 150 mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
Edge flame attack, 30 s exposure	F _s ≤ 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 13501-1:2018.

Classification

The product "Noon 182 100% polyester FR" in relation to its reaction to fire behaviour 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

4.2 Field of application

This classification is valid for the following end use conditions:

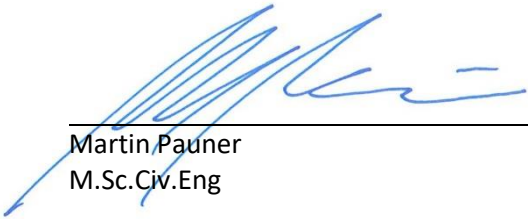
- Free hanging.

This classification is also valid for the following product parameters:

- No changes from tested product described in section 2.2 allowed

5. Limitations

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



Martin Pauner
M.Sc.Civ.Eng



Jeppe Ankjær
B.Eng. Architectural Engineering

Kvadrat A/S
Lundbergsvej 10
DK-8400 Ebeltoft
Denmark

Reaction to Fire Classification Report

Balboa by Sacho



Client: Kvadrat A/S
File no.: PCA10580A
Date: 2019-09-04
Pages: 5 **Encl.:** 1
Ref: MPA / JAG

Client information

Client: Kvadrat A/S
Address: Lundbergsvej 10
DK-8400 Ebeltoft
Denmark

This Classification 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 "Balboa by Sacho" in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product "Balboa by Sacho" is defined as a curtain.

2.2 Product description

The product "Balboa by Sacho" is made of 100 % polyester with a fire retardant. See label in enclosure 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	PFA11384A	EN 13823 EN ISO 11925-2	2019-08-12/15 2019-07-26

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	2	(-)	
	FIGRA _{0.4 MJ} (W/s)	3	2	(-)	
	THR _{600s} (MJ)	3	0.1	(-)	
	SMOGRA (m ² /s ²)	3	1	(-)	
	TSP _{600s} (m ²)	3	30	(-)	
	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.	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 13501-1:2018.

4.2 Classification

The product "Balboa by Sacho" 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

The classification is valid for the following end use conditions:

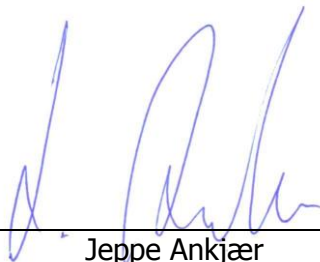
- Free hanging

The classification is 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.



Jeppe Ankjær
B.Eng. Architectural Engineering



Martin Pauner
M.Sc.Civ.Eng

Kvadrat A/S
Lundbergsvej 10
DK-8400 Ebeltoft
Denmark



Order 3367860
Pick PR1867343
Date 20.06.2019
Delivery SA-UPSst-F
Fabric 600187 Baiboa 002
Brand Sahco
Width 1,40 m **Length** 18,80 m
Batch



SAHUPH0012146

Label
Shrinking 0%
100% polyester FR

