

Informationen

zur Zertifizierung nach Baustoffklasse DIN 4102-1 – B1

Stoff	• olbia	Farb.-Nr.	044.xx
	• caorle		471.xx
	• fiorini		480.xx
	• nueva		648.xx

Prüfzeugnis **K135/2024**

Ausstellungsdatum 29.10.2024

Bestätigung Die Firma erfal bestätigt, dass diesen Qualitäten das Prüfzeugnis **K135/2024** zugrunde liegt.


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Geschäftsführerin

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EN ISO/IEC 17025
T-316

Classification of reaction to fire in accordance with EN 13501-1:2018

Issue number: K135/2024

Date of issue: 29.10.2024.

Sponsor: Junkers und Müllers GmbH.

Address: Bolksbuscher Strasse 27, 41239 Mönchengladbach, Germany.

Reg. No. HRB 3591, Mönchengladbach.

Manufacturer and owner of classification report: Junkers und Müllers GmbH.

Prepared by: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*).

Test performed at: SIA “Meža un koksnes produktu pētniecības un attīstības institūts” (*Forest and Wood Products Research and Development Institute Ltd*), “Pienavas katlu māja”, Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia (*“Pienava heat plant”, Pienava, Džūkste parish, Tukums region, LV-3147, Latvia*).

Product name: Textile fabrics made of polyester “Collection JM Transparent”.

The laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. The laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

The classification report refers only to these test objects. This classification report may not be reproduced otherwise than in full text, except with the prior written approval of the Forest and Wood Products Research and Development Institute

1. Introduction

This classification report defines the reaction to fire classification assigned to Textile fabrics made of polyester “Collection JM Transparent” in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Textile fabrics made of polyester “Collection JM Transparent” is defined as sun-shading fabric material intended to use for roller-blind, pleated-fabric, vertical-blind, panel-blinds. There is no harmonised European technical specification standard available describing this product.

2.2. Product description

- Product name: Textile fabrics made of polyester “Collection JM Transparent”
- Product description: polyester fabric with stiff finish.
- Manufacturer: Junkers und Müllers GmbH.
- Materials used for manufacturing:
 - Fabric made of 100% polyester, dyed in different colours and treated with a handle-modifying finish including flame retardants. One side metallized for product OPERA ALU FR and VENTO ALU FR.
- Thickness range: 0.3 – 0.5 mm.
- Product variations tested:

Product name	Nominal thickness, mm	Surface mass/area, g/m ²	Tested colour
CASA FR	0.30	100	stone
OPERA FR	0.36	155	white, mandarine, charcoal
SAHARA FR	0.50	140	beige
OPERA ALU FR	0.35	160	grey
VENTO FR	0.40	200	dark grey
VENTO ALU FR	0.40	220	taupe

3. Test reports and test results in support of classification

3.1. Specific conditions

Not applicable

3.2. Test reports

Name of laboratory	Name of sponsor	Test reports	Test method
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers & Müllers GmbH	8252-3/2023	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers & Müllers GmbH	8252-4/2023	EN ISO 11925-2:2020
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers & Müllers GmbH	9201-1-1	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers & Müllers GmbH	9201-1/2024	EN ISO 11925-2:2020
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers und Müllers GmbH	9982-1-1	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers und Müllers GmbH	9982-1/2024	EN ISO 11925-2:2020



3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020+A1:2022	$FIGRA_{0,2MJ}(W/s)$	8 ^a	Threshold not reached ^a	(-)
	$FIGRA_{0,4MJ}(W/s)$		Threshold not reached ^a	(-)
	$THR_{600s}(MJ)$		0.4 ^a	(-)
	$LFS < edge\ of\ specimen$		yes ^a	Compliant
	$SMOGRA(m^2/s^2)$		Threshold not reached ^a	(-)
	$TSP_{600s}(m^2)$		1.5 ^a	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs) ≤ 150mm	36 ^b 6 ^c	yes	Compliant
	Ignition of filter paper	6 ^d	no	Compliant
	Flaming droplets/particles		no	Compliant
(-) not applicable ^a Results from reports No. 8252-3/2023. ^b Results from reports No. 8252-4/2023. ^c Additional test results from report No. 9201-1/2024. ^d Additional test results from report No. 9982-1/2024.				

Test results for product variations:

Specimen No./reports	9201-1-1	9982-1-1
$FIGRA_{0,2MJ}, W/s$	Threshold not reached	Threshold not reached
$FIGRA_{0,4MJ}, W/s$	Threshold not reached	Threshold not reached
THR_{600s}, MJ	0.2	0.2
$SMOGRA, m^2/s^2$	Threshold not reached	Threshold not reached
TSP_{600s}, m^2	1.9	1.8
Product variable	VENTO FR	VENTO ALU FR

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2. Classification

Textile fabrics made of polyester "Collection JM Transparent" 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



The format of the reaction to fire classification for construction product excluding floorings and linings is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1, d0

4.3. Field of application

4.3.1 This classification is valid for the following product end use applications:

Product is intended to be used as sun-shading fabric (roller-blind, pleated-fabric, vertical-blind, panel-blinds).

4.3.2. This classification is also valid for following product parameters:

- valid only for thickness as tested;
- valid only for product composition as tested;
- valid only for surface mass/area as tested;
- product performance determined without substrates with calcium silicate backing board at the 80 mm distance from product and classification valid for product mounting as ventilated, free standing or suspended installations;
- product tested without joints;
- valid for both sides of fabric;
- valid for all colours.

5. Limitations.

5.1. No restrictions on the duration of validity of this classification report as long as the product specifications remain unchanged.

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

Prepared by

E. Bukšāns

(signature and name)

Reviewed by

K. Būmanis

(signature and name)

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