

„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA

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

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Sponsor: Junkers & Müllers GmbH.

Address: Bolksbuscher Strasse 27, 41239 Mönchengladbach, Germany.

Reg. No. HRB 3591, Mönchengladbach.

Manufacturer and owner of classification report: Junkers & 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: STARLET UPCYCLING FR.

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. Laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

Classification report refers only to these test objects. This classification report may not be reproduced otherwise than in full text, excepted 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 STARLET UPCYCLING FR in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Two-side coated woven fabric made of polyester STARLET UPCYCLING FR is defined as sun-shading fabric material intended to use for roller-blind, vertical-blind, panel-blinds. There is no harmonised European technical specification standard available describing this product.

2.2. Product description

- Product name: STARLET UPCYCLING FR.
- Product description: woven polyester fabric with two-side polymer coating.
- Manufacturer: Junkers & Müllers GmbH.
- Materials used for manufacturing:
 - fabric made of 100% polyester;
 - polymer coating with flame retardant additives;
- Nominal thickness tested: 0.35 mm;
- Surface mass/area: approximately 215 g/m²;
- Colour: white, mandarine and black.

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	8585-1/2023	EN 13823:2020+A1:2022
SIA „Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers & Müllers GmbH	8585-2/2023	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	$FIGRA_{0,2MJ}(W/s)$	6	Threshold not reached	(-)
	$FIGRA_{0,4MJ}(W/s)$		Threshold not reached	(-)
	$THR_{600s}(MJ)$		0.4	(-)
	LFS		no	Compliant
	$SMOGRA(m^2/s^2)$		5.5	(-)
	$TSP_{600s}(m^2)$		18.5	(-)
	Flaming droplets <10s Flaming droplets >10s		(-) (-)	Compliant Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	30	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	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 of EN 13501-1:2018.

4.2. Classification

STARLET UPCYCLING 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

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 primary is intended to use as sun-shading fabric (roller-blind, 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 as tested;
- valid for all colour tones.

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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