

„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 und Müllers GmbH.

Address: Bolksbuscher Str. 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: Quality 2136.

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 Quality 2136 in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Polyester fabric Quality 2136 is defined as digital printable wallpaper (suitable for dye sub and latex inks). There is no harmonised European technical specification standard available describing this product.

2.2. Product description

- Product name: Quality 2136.
- Product description: wallpaper.
- Manufacturer: Junkers und Müllers GmbH.
- Materials used for manufacturing:
 - fabric made of 100 % polyester;
 - backside with polymer coating and flame-retardant additives.
- Nominal thickness tested: approx. 0.48 mm.
- Weight: approx. 280 g/m².
- Colour: white.

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 und Müllers GmbH	9915-1/2024	EN 13823:2020+A1:2022
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Junkers und Müllers GmbH	9915-2/2024	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	$FIGRA_{0,2MJ}(W/s)$	3	27	(-)
	$FIGRA_{0,4MJ}(W/s)$		Threshold not reached	(-)
	$THR_{600s}(MJ)$		0.9	(-)
	$LFS < edge\ of\ specimen$		yes	Compliant
	$SMOGRA(m^2/s^2)$		14	(-)
	$TSP_{600s}(m^2)$		39	(-)
	Flaming droplets <10s Flaming droplets >10s		no no	Compliant Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs) \leq 150mm	6	yes	Compliant
	Ignition of filter paper		no	Compliant
	Flaming droplets/particles		no	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

Quality 2136 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 be used as digital printable wallpaper, suitable for dye sub and latex inks.

4.3.2. This classification is also valid for the 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 on gypsum plasterboard substrate glued with standard wallpaper adhesive and classification is valid for product application on substrates of reaction to fire class A2-s1,d0 and A1 with a minimum density of 525 kg/m³ and thickness at least 12 mm;
- valid for colour tone as tested.

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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