Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

AUTHORIZED BODY

NOTIFIED BODY

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1:2019

Applicant: A. Berger GmbH
Weyerhofstrasse 68
47803 Krefeld
Germany

Prepared by: Institut pro testování a certifikaci, a.s.
Divize CSI – Centrum stavebního inženýrství
Pražská 16, 102 00 Praha 10
Czech Republic

Product name: 4484-0026, Lumina
4484-0026-RECY, Lumina Evolution

Classification report No.: PK-24-098

Issue number: 1/2

Date of issue: 24th May 2024

This classification report consists of 4 pages and may only be used or reproduced in its entirety.

Address:
PRAŽSKÁ 16, 102 00 PRAHA 10, Czech Republic, E mail: csias@csias.cz, http://www.csias.cz
Reg. No. 47910381, VAT No. CZ47910381.
Fire Technical Laboratory, E-mail: ptl@csias.cz
Phone: +420 281 017 111, Fax: +420 281 017 455

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The products *4484-0026, Lumina; 4484-0026-RECY, Lumina Evolution* are defined as a type of fabric without a closer end-use specification.

Description:

The products *4484-0026, Lumina; 4484-0026-RECY, Lumina Evolution* are fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
ITC a.s., Divize CSI, Fire technical laboratory	A. Berger GmbH	21/P738 24P268	ČSN EN ISO 11925-2
		21/P739 24/P269	ČSN EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s (3)	$Fs \leq 150$ mm(1)	6	yes	yes (B - D)
	ignition of filter paper(1)	6	no	no (d0)
	$Fs \leq 150$ mm(2)	6	yes	yes (B - D)
	ignition of filter paper(2)	6	no	no (d0)
ČSN EN ISO 11925-2 exposition = 30 s (4)	$Fs \leq 150$ mm(1)	6	yes	yes (B - D)
	ignition of filter paper(1)	6	no	no (d0)
	$Fs \leq 150$ mm(2)	6	yes	yes (B - D)
	ignition of filter paper(2)	6	no	no (d0)
ČSN EN 13823 (3)	$FIGRA_{0,2\,MJ}$ (W/s)	3	0	≤ 120 (B)
	LFS < edge	3	yes	yes (B, C)
	$THR_{600\,s}$ (MJ)	3	0,5	≤ 7,5 (B)
	SMOGRA (m^2/s^2)	3	0	≤ 30 (s1)
	$TSP_{600\,s}$ (m^2)	3	10,2	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 (4)	$FIGRA_{0,2\,MJ}$ (W/s)	3	0	≤ 120 (B)
	LFS < edge	3	yes	yes (B, C)
	$THR_{600\,s}$ (MJ)	3	0,5	≤ 7,5 (B)
	SMOGRA (m^2/s^2)	3	0	≤ 30 (s1)
	$TSP_{600\,s}$ (m^2)	3	6,2	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

(1): surface flame attack
(2): edge flame attack
(3): 4484-0026, Lumina
(4): 4484-0026-RECY, Lumina Evolution

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.6, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The products *4484-0026, Lumina; 4484-0026-RECY, Lumina Evolution*, in relation to theirs 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 *4484-0026, Lumina; 4484-0026-RECY, Lumina Evolution* is:

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

Reaction to fire classification: B-s1, d0

Field of application:

This classification is valid for the following end use conditions:

- without substrate

4. LIMITATIONS

Restrictions

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

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

Prepared:

Jiří Socha

ZKUŠEBNA FYZIKÁLNÍCH VLASTNOSTÍ MATERIÁLŮ, KONSTRUKCÍ A BUDOV
INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.

Reviewed:

Vít Slaboch
head of laboratory