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**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:** Highlite International BV  
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**Product name:** *Dekomolton 160 g/m<sup>2</sup>*

**Classification  
report No.:** PK-24-136

**Issue number:** 1/2

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

The product, *Dekomolton 160 g/m<sup>2</sup>*, is defined as a type of fabric without a closer end-use specification.

### Description:

The product *Dekomolton 160 g/m<sup>2</sup>* is 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, AZL 1007.4	Highlite International BV	23/P695-1	ČSN EN ISO 11925-2
		23/P696-1	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 <sup>(1)</sup> exposition = 30 s surface flame attack	$F_s \leq 150$ mm ignition of filter paper	18	yes	yes (B - D)
		18	no	yes (d2)
ČSN EN ISO 11925-2 <sup>(1)</sup> exposition = 30 s edge flame attack	$F_s \leq 150$ mm ignition of filter paper	18	yes	yes (B - D)
		18	no	yes (d2)
ČSN EN 13823 <sup>(3)</sup>	$FIGRA_{0,2 MJ}$ (W/s)	3	70,0	$\leq 120$ (B)
	$LFS < edge$	3	yes	yes (B,C)
	$THR_{600 s}$ (MJ)	3	1,9	$\leq 7,5$ (B)
	$SMOGRA$ (m <sup>2</sup> /s <sup>2</sup> )	3	0	$\leq 30$ (s1)
	$TSP_{600 s}$ (m <sup>2</sup> )	3	6,0	$\leq 50$ (s1)
	flaming droplets / particles	3	no	no (d0)

## 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 product *Dekomolton 160 g/m<sup>2</sup>*, 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 *Dekomolton 160 g/m<sup>2</sup>* 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 also valid for the following product parameters:

- colour: without limitation

This classification is valid for the following end use conditions:

- without substrate

## 4. LIMITATIONS

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### 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:

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Jiří Socha



Reviewed:

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