



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: Merino Industries Limited,
70, KLJ Complex,
2nd Floor, Moti Nagar,
New Delhi -110015, INDIA

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

Product name: *Merino Exterior FR Grade Compact –
6 mm thickness*

**Classification
report No.:** PK-22-043

Issue number: 1/2

Date of issue: 17th March 2022

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

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Merino Exterior FR Grade Compact – 6 mm thickness*, is defined as a type of HPL composite panel according to ČSN EN 438-7.

Description:

The product *Merino Exterior FR Grade Compact – 6 mm thickness* 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 No. 1007.4	Merino Industries Limited	22/P093	ČSN EN ISO 11925-2
		22/P094	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	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D) no (d0)
	ignition of the filter paper ⁽¹⁾	6	no	
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	
	ignition of the filter paper ⁽²⁾	6	no	
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	113,2	$\leq 120 \text{ (B)}$
	$LFS > \text{edge}$	3	no	no (B, C)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	5,6	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	3	4,5	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	3	35,2	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)
(1): surface flame attack, exposition = 30 s				
(2): edge flame attack, exposition = 30 s				

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 *Merino Exterior FR Grade Compact – 6 mm thickness*, 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 *Merino Exterior FR Grade Compact – 6 mm thickness* 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:

- thickness ≥ 6 mm

This classification is valid for the following end use conditions:

- valid for interior and exterior applications
- supporting frame: valid for wood-based frame or any other frames (for example aluminium or steel frame)
- fixing: valid for fixing spacing up to 800 mm

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

Reviewed:


.....
Vít Slaboch
head of laboratory