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Fritz Egger GmbH & Co OG  
Holzwerkstoffe  
Weiberndorf 20  
6380 St. Johann in Tirol

MA 39 – VFA 2014-0194.01

Vienna, 4 March 2014

## **Classification Report**

concerning  
**Reaction to Fire Performance of Panels with the  
Designation "EURODEKOR Plus ML FLAMMEX B/M1"**

**Client:** Fritz Egger GmbH & Co OG Holzwerkstoffe

**Order placed:** 16 September 2013

**Test material:** Melamine resin coated chipboard with the designation "EURODEKOR Plus ML FLAMMEX B/M1" with thicknesses ranging from 12 mm to 38 mm manufactured from EUROSPAN Flammex E1 P2 B/B1/M1-chipboard with multi-layer structure (ML) on both sides with core paper layer (thickness of up to 0.8 mm per side), described in the following test reports on which the classification is based

MA 39 - VFA 2014-0194.02  
(test in accordance with ÖNORM EN 13823)  
MA 39 -VFA 2014-0194.03  
(test in accordance with ÖNORM EN ISO 11925-2)

**Summarised assessment:** Pursuant to ÖNORM EN 13501-1 the above-mentioned construction product is classified from a thickness of core chipboard of 18 mm with

**B-s1, d0**

and with thicknesses of core chipboard of 12 mm up to smaller 18 mm with

**B-s2,d0**

in respect of its reaction to fire performance.

The report comprises 7 pages.

Reference is solely made to the test objects.

All pages of the report are furnished with the official seal of the City of Vienna.

Publication and require the written consent of Administrative Department 39. Please observe the currently valid general terms and conditions of business of Administrative Department 39 to be found in the internet on <http://www.ma39.wien.at>

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Accredited as a testing and inspection institute in accordance with AMG per decree of the Federal Ministry for the Economy, Family and Youth on the basis of ÖVE/ÖNORM EN ISO/IEC 17025 and ÖVE/ÖNORM EN ISO/IEC 17020.



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## 1 Introduction

This classification report defines the classification assigned with the procedure set forth in ÖNORM EN 13501-1 to the construction product melamine resin coated chipboard with the designation "EURODEKOR Plus ML FLAMMEX B/M1" with thicknesses ranging from 12 mm to 38 mm manufactured from EUROSPAN Flammex E1 P2 B/B1/M1-chipboard with multi-layer structure (ML) on both sides with core paper layer (thickness of up to 0.8 mm per side), up to mass consistency stored in standard atmosphere in accordance with ÖNORM EN 13238 as described in the test reports set out in item 3.1 hereinbelow.

## 2 Details of the Classified Construction Product

The construction product is completely described in the test reports listed in 3.1 on which the classification is based.

## 3 Test reports and Test Results on which the Classification is based

### 3.1 Test reports

Name of the laboratory	Client	Test report number	Test procedure
MA 39 Rinnböckstraße 15 1110 Vienna Austria	Fritz Egger GmbH & Co OG Holzwerkstoffe Weiberndorf 20 6380 St. Johann in Tirol Austria	MA 39 - VFA 2014-0194.02	ÖNORM EN 13823
		MA 39 - VFA 2014-0194.03	ÖNORM EN ISO 11925-2

### 3.2 Test results

#### 3.2.1 Construction product with a core panel thickness of 12 mm

"EURODEKOR Plus ML FLAMMEX B/M1" with a thickness of 12 mm coated in multi-layer structure on both sides, decorative paper black (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
ÖNORM EN 13823	FIGRA <sub>0.2 MJ</sub> [W/S]	1	53.8	---
	FIGRA <sub>0.4 MJ</sub> [W/S]		53.8	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		4.1	---

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN 13823</b>	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		3.5	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		59.3	---
	Flaming droplets/particles			N

"EURODEKOR Plus ML FLAMMEX B/M1" with a thickness of 12 mm coated in multi-layer structure on both sides, decorative paper white (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/S]	2	75.6	---
	FIGRA <sub>0.4 MJ</sub> [W/S]		75.6	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		4.0	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		6.8	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		63.1	---
	Flaming droplets/particles			N

"EURODEKOR Plus ML FLAMMEX B/M1" with a thickness of 12 mm coated in multi-layer structure on both sides, decorative paper beech (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/S]	2	59.6	---
	FIGRA <sub>0.4 MJ</sub> [W/S]		59.6	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		3.8	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		3.0	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		48.3	---
	Flaming droplets/particles			N



Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
ÖNORM EN ISO 11925-2 Surface exposed to flames for 30 seconds Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6 per decorative finish	---	Y N

### 3.2.2 Construction product with a core panel thickness of 19 mm

“EURODEKOR Plus ML FLAMMEX B/M1” with a thickness of 19 mm coated in multi-layer structure on both sides, decorative paper black (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
ÖNORM EN 13823	FIGRA <sub>0.2 MJ</sub> [W/S] FIGRA <sub>0.4 MJ</sub> [W/S] LFS < edge of specimen THR <sub>600s</sub> [MJ]	2	48.5 48.5 3.7	--- --- Y ---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ] TSP <sub>600s</sub> [m <sup>2</sup> ] Flaming droplets/particles		3.0 46.2	--- --- N

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
ÖNORM EN ISO 11925-2 Surface exposed to flames for 30 seconds Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	---	Y N

### 3.2.3 Construction product with a core panel thickness of 38 mm

“EURODEKOR Plus ML FLAMMEX B/M1” with a thickness of 38 mm coated in multi-layer structure on both sides, decorative paper red (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/S]	3	44.7	---
	FIGRA <sub>0.4 MJ</sub> [W/S]		44.7	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		3.1	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		2.7	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		47.0	---
	Flaming droplets/particles			N

“EURODEKOR Plus ML FLAMMEX B/M1” with a thickness of 38 mm coated in multi-layer structure on both sides, decorative paper beech (thickness 0.8 mm each):

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/S]	3	42.3	---
	FIGRA <sub>0.4 MJ</sub> [W/S]		42.3	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		3.0	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		2.5	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		44.5	---
	Flaming droplets/particles			N

Test procedure	Parameters	Number of tests	Test results	
			continuous parameters mean	parameter readings
<b>ÖNORM EN ISO 11925-2</b> <b>Surface</b> exposed to flames <b>for 30 seconds</b> <b>Flaming droplets/particles</b>	$F_s \leq 150$ mm	6 per decorative finish	---	Y
	Ignition of the filter paper		---	N

## 4 Classification and Scope of Direct Application

This classification was carried out in compliance with ÖNORM EN 13501-1.

### 4.1 Classification

The construction product (described in the test reports listed) is classified as follows in terms of reaction to fire performance, smoke production and fall of flaming droplets/particles with a thickness of core chipboard of 18 mm as follows:

Reaction to Fire Performance		Smoke Production			Flaming droplets/particles	
B	-	s	1	,	d	0

The construction product (described in the test reports listed) is classified as follows in terms of reaction to fire performance, smoke production and fall of flaming droplets/particles with a thickness of core chipboard of 12 mm as follows:

Reaction to Fire Performance		Smoke Production			Flaming droplets/particles	
B	-	s	2	,	d	0

### 4.2 Scope of Application

These classifications are valid for the construction product described in the listed test reports, having a thickness of  $\geq 12$  mm, the thickness of the core panel (chipboard) being permitted to be  $\geq 12$  mm, the thickness of the decorative layer  $\leq 0.8$  mm. The classification also applies to the coating in multi-layer structure as described; the thickness and the number of layers is not to exceed that of the tested structure, the composition of the layers must conform with that tested.

Moreover, it refers to the direct fitting (without air gap) of the panels on substrate materials that comply with the Euro Class A1 or A2-s1,d0. Fitting is to be mechanical; bonding of the panels to the substrate material is not permitted.

No open edges must be visible in the final application.



## 5 Restrictions

### 5.1 General information

This classification report is valid for a period of 5 years, it will thus expire on 4 March 2019. Any provisions in European product standards as may restrict the period of validity hereof must be observed.

In the event that fundamental testing or assessment criteria change, the period of validity will end before the expiry of this deadline. Moreover, the report will cease to be valid if the client makes inadmissible technical changes in the product.


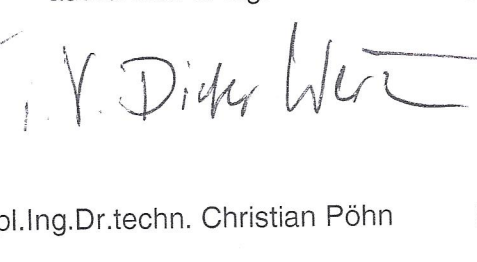
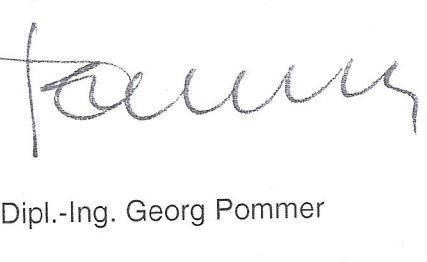
### 5.2 Caveat

This document does not serve the purpose of type certification or certification of the construction product.

The Case Manager:

The Head of the Laboratory  
authorised to sign:

The Head of the Research Centre,  
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Dipl.-Ing. Dieter Werner, MSc

Dipl.-Ing. Dr. techn. Christian Pöhn

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