

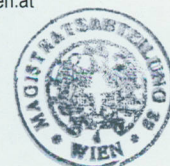
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MA 39 – VFA 2012-0652.01

Vienna, 9 May 2012



## Classification Report

concerning

### Reaction to Fire Performance of High-Pressure Laminate Panels Designated as “MAX Exterior F-Quality”

**Commissioned by:** FunderMax GmbH

**Date of commission:** 18 July 2011

**Test material:** High-pressure laminate panels designated as “MAX Exterior F-Quality” with a density of 1.45 g/cm<sup>3</sup>, 6 mm thick, described in the following test reports on which the classification is based

MA 39 – VFA 2012-0652.02  
(test pursuant to Austrian standard ÖNORM EN 13823)  
MA 39 – VFA 2012-0652.03  
(test pursuant to Austrian standard ÖNORM EN ISO 11925-2)

**Summary assessment:** Pursuant to ÖNORM EN 13501-1 the above-mentioned construction products are classified

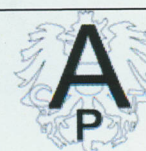
**B – s2, d0**

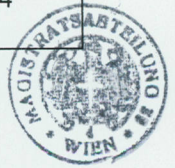
in respect of the reaction to fire performance.

This report consists of 4 pages.

Tests relate to the test material exclusively. All pages of this report are stamped with the official seal of the City of Vienna administration. Publications and extracts from this report require the prior written consent of the institute.  
Please note that the General Terms and Conditions of MA 39 can be found on the Internet at <http://www.wien.gv.at/vfa/>.

Accredited as a testing and inspection body pursuant to the Austrian Act on Accreditation (AkkG) under an official decree of the Federal Ministry for Economic Affairs and Labour based on ÖVE/ÖNORM EN ISO/IEC 17025 and ÖVE/ÖNORM EN ISO/IEC 17020; PSID 69, PSID 98, PSID 165.  
Accredited as a testing and inspection body pursuant to WBAG under an accreditation decree issued by Österreichisches Institut für Bautechnik on the basis of ÖVE/ÖNORM EN ISO/IEC 17025 and EN 45004.  
Notified testing and inspection body under the Construction Product Directive (89/106/EEC of 21/12/1988), identification number 1140.





## 1 Introduction

This classification report defines the classification assigned in conformity with the procedure set forth in ÖNORM EN 13501-1 to the construction product “high-pressure laminate panels”, such product being designated as “MAX Exterior F-Quality”, 6 mm thick, with a density of 1.45 g/cm<sup>3</sup>, which was stored up to mass constancy in standard atmosphere pursuant to ÖNORM EN 13238, as described in the test reports listed under 3.1.

## 2 Details of the Construction Product(s) Classified

The construction product/s is/are fully 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 Lab	Test commissioned by	File numbers of test reports	Test procedures
MA 39 Rinnböckstrasse 15 1110 Vienna Austria	FunderMax GmbH IZ-NÖ Süd Strasse 3 2355 Wiener Neudorf Austria	MA 39 – VFA 2012-0652.02	ÖNORM EN 13823
		MA 39 – VFA 2012-0652.03	ÖNORM EN ISO 11925-2

### 3.2 Test Results

High-pressure laminate panels designated as “MAX Exterior F-Quality”, with a density of 1.45 g/cm<sup>3</sup>, 6 mm thick:

Test procedure	Parameters	Number of test runs	Test results	
			Continuous parameters Mean value	Parameter readings
ÖNORM EN 13823	FIGRA <sub>0.2 MJ</sub> [W/s]	3	92.1	---
	FIGRA <sub>0.4 MJ</sub> [W/s]		92.1	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		4.0	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		13.2	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		80.3	---
	Fall of flaming droplets/particles			N



Test procedure	Parameters	Number of test runs	Test results	
			Continuous parameters Mean value	Parameter readings
<b>ÖNORM EN ISO 11925-2</b> <b>Surface flaming</b> <b>30 second flame attack</b> Fall of flaming droplets/particles	$F_s \leq 150$ mm ignition of filter paper	6 each	---	Y N

#### 4 Classification and Scope of Direct Application

This classification was carried out in accordance with Austrian standard ÖNORM EN 13501-1.

##### 4.1 Classification

The construction product (described in the test reports listed above) is classified as follows in terms of reaction to fire performance, smoke production and fall of flaming droplets/particles:

Reaction to fire performance		Smoke production			Flaming droplets/particles	
B	-	s	2	,	d	0

##### 4.2 Scope of Application

This classification applies to the construction product/s described in the above-mentioned test reports in a range of thicknesses 6.0 mm to 20.0 mm.

Moreover, it relates to the mounting of panels on all types of frames (including e.g. aluminium frames, steel frames). Panels have to be fastened mechanically and narrower distances between fastened panels than those used in the test runs are admissible.

The classification applies for use of the construction product with a backing of rockwool (density 30 kg/m<sup>3</sup> - 70 kg/m<sup>3</sup>, melting point > 1000°C) and without backing.

Wood-based panels and all boards conforming to Euro Classes A1 or A2 may be used as carrier boards.

Open edges are permitted in final use. All types of closed edges (e.g. using profiles, springs) are also permitted.

## 5 Restrictions

### 5.1 General

This classification report is valid for a period of 5 years, it will thus expire on 9 May 2017. 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.

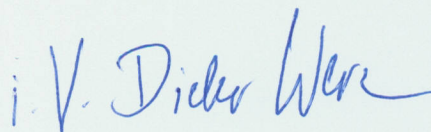
The Case Manager:

The Head of the Laboratory  
authorised to sign:

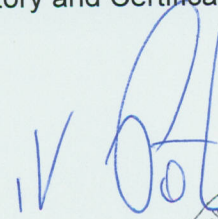
The Head of the Research Centre,  
Laboratory and Certification Services:



Dipl.-Ing. D. Werner, MSc  
(titles)



Dipl.-Ing. Dr. techn. C. Pöhn  
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