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MA 39 – VFA 2020-0254.02

Vienna, 25 February 2020

## Classification of reaction to fire in accordance with EN 13501-1:2018

**Sponsor:** FunderMax GmbH

**Prepared by:** Municipal Department 39 –  
Research Centre-, Laboratory and Certification Services

**Notified Body No.:** 1139

**Product name:** duromere high-pressure laminate designated as „Max Compact Exterior F-Quality“

**Classification report No.:** MA 39 – VFA 2020-0254.02

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## 1 Introduction

This classification report defines the classification assigned to the building product duomere high-pressure laminate as per EN 438-6, type EDF, designated „Max Compact Exterior F-Quality“. The test specimen was conditioned till mass consistency in standard climate according to ÖNORM EN 13238 and is described in the test reports listed under 3.1. Classification is in accordance with the procedures given in ÖNORM EN 13501-1.

## 2 Details of classified product

### 2.1 General

The tested product is a duomere high-pressure laminate according to EN 438-6, type EDF, designated as „Max Compact Exterior F-Quality“. The panel consists of a core with a decorative layer on both sides. The construction product was manufactured in accordance with EN 438-6.

### 2.2 Product description

The product, duomere high-pressure laminate designated as „Max Compact Exterior F-Quality“, is described in the reports provided in support of classification listed in 3.1.

## 3 Reports and results in support of this classification

### 3.1 Reports

Name of Laboratory	Name of Sponsor	Report ref. No.	Test Method
Materialprüfanstalt Hannover für das Bauwesen und Produktionstechnik Nienburger Straße 3 30167 Hanover Germany	Fundermax GmbH Industriezentrum NÖ-Süd	Report no.. 193421 dated 25 July 2019	EN 13823:2015
	2355 Wiener Neudorf Austria	Report no. 193663 Dated 25 July 2019	EN ISO 11925-2:2011



### 3.2 Results

duromere high-pressure laminate according to EN 438-6, type EDF, designated „Max Compact Exterior F-Quality“ (thickness 6 mm):

Test Method	Parameter	No. of Tests	Test Results	
			Continuous parameter <i>Mean value</i>	Observed parameter <i>Yes/No</i>
<b>EN 13823</b>	FIGRA <sub>0,2 MJ</sub> [W/s]	3	62,7	---
	FIGRA <sub>0,4 MJ</sub> [W/s]		62,7	---
	LFS < edge of long wing			Y
	THR <sub>600s</sub> [MJ]		5,6	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		5,7	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		81,0	---
	Flaming droplets / particles			N
<b>EN ISO 11925-2</b>	Fs < 150 mm	6 each	---	Y
Surface- and edge exposure to flame	Ignition of filter paper		---	N
30 seconds flame application time				
Flaming droplets and particles				



## 4 Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

### 4.2 Classification

The construction product duromere high-pressure laminate according to EN 438-6, type EDF, designated „Max Compact Exterior F-Quality“ (described in the listed test reports), in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

**Reaction to fire classification: B – s2, d0**

### 4.3 Field of application

This classification is valid for the product described in the listed test reports with a thickness of  $\geq 6$  mm (including the product tolerance).

Further it is valid for the assembly of panels for indoor and outdoor application on wooden frames and on other frame types such as aluminium and steel. A mechanical fastening is to be used the distances between the mounting devices are to be the same as tested or smaller.

The classification is valid for constructions with or without insulation behind the panels and also with or without horizontal joints. All types of closed horizontal joints (i.e. profiles and grooves) are possible.

Supporting boards may be made of wood or all materials fulfilling the Euro classes A1 or A2 with a minimal density of 510 kg/m<sup>3</sup>.

## 5 Limitations

The period of validity of this classification report is 5 years longest and ends on 22 October 2024 (same expiry date as the German version of this classification report). European product standards and regulations leading to the restriction of the validity time are to be considered.

The validity of this classification report expires before the deadline in the case of significant changes in testing method or classification criteria. The validity also expires if the customer makes prohibited technical changes on the product.

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

This report was also issued in German under the number MA 39 – VFA 2019-1330.01. In any case of doubt the German version is valid.

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