

FunderMax GmbH  
Bickfordstraße 6  
7201 Neudörfel

EINGANG  
18. JAN. 2017



City of Vienna Administration  
MUNICIPAL DEPARTMENT 39  
Research Centre, Laboratory  
and Certification Services  
VFA – Construction Technology Labs  
Address: Rinnböckstrasse 15  
A-1110 Vienna  
Tel.: (+43 1) 79514-8039  
Fax: (+43 1) 79514-99-8039  
E-Mail: post@ma39.wien.gv.at  
Homepage: www.ma39.wien.at

MA 39 – VFA 2016-1613.01

Vienna, 28 December 2016

## Classification Report

concerning

**Reaction to Fire Performance of Melamine-Faced Boards Designated as  
“FUNDERMAX Star Favorit” and “FUNDERMAX Star Favorit Superfront 1.0”**



**Commissioned by:** FunderMax GmbH

**Date of commission:** 7 November 2016

**Test material:** Melamine-faced boards for interior uses (Type MFB according to EN 14322)

- “FUNDERMAX Star Favorit”, thickness range 12 mm to 38 mm, chipboard core “FunderMax Homogen B1”, décor on both sides
- “FUNDERMAX Star Favorit Superfront 1.0”, thickness range 12 mm to 38 mm, chipboard core “FunderMax Homogen B1”, with STS multiple layer structure and resin laminated core paper layer on both sides,

described in the following test reports on which the classification is based

MA 39 – VFA 2016-1613.02

(test pursuant to Austrian standard ÖNORM EN 13823)

MA 39 – VFA 2016-1613.03

(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 – s1, d0**

in respect of the reaction to fire performance.

This report consists of 5 pages.

Tests relate exclusively to the test material.

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

Publications and extracts from this report require the prior written consent of MA 39. Please note that the currently valid General Terms and Conditions of MA 39 can be found on the Internet at <http://www.ma39.wien.at>.

Certified by Quality Austria pursuant to the requirements of ÖNORM EN ISO 9001:2008 and ÖNORM EN ISO 14001:2015.

Accredited as a testing and inspection body pursuant to the Austrian Act on Accreditation (AkkG) under an official decree of the Federal Ministry of Science, Research and Economy based on ÖVE/ÖNORM EN ISO/IEC 17025 and ÖVE/ÖNORM EN ISO/IEC 17020.

Notified body based on construction products regulation (89/106/EWG of 21.12.1988) with identification no. 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 products type MFB pursuant to EN 14322, designated as “FUNDERMAX Star Favorit”, 12 mm thick, as well as “FUNDERMAX Star Favorit Superfront 1.0”, 12 mm thick, which were 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 Bickfordstraße 6 7201 Neudörfel Austria	MA 39 – VFA 2016-1613.02 dated 27 December 2016	ÖNORM EN 13823
		MA 39 – VFA 2016-1613.03 dated 28 December 2016	ÖNORM EN ISO 11925-2

### 3.2 Test Results

Melamine-faced boards for interior uses (type MFB pursuant to EN 14322) designated as “FUNDERMAX Star Favorit”, single layer (E), 12 mm thick:

Test procedure	Parameters	Number of test runs	Test results	
			Continuous parameters Mean value	Parameter readings
ÖNORM EN ISO 11925-2 <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	---	Y N



<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/s]	1	77.7	---
	FIGRA <sub>0.4 MJ</sub> [W/s]		73.5	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		4.5	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		2.4	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		33.5	---
	Fall of flaming droplets/particles			N

Melamine-faced boards for interior uses (type MFB pursuant to EN 14322) designated as "FUNDERMAX Star Favorit", single layer with underlayer (F), 12 mm thick:

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	---	Y N

<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/s]	3	106.4	---
	FIGRA <sub>0.4 MJ</sub> [W/s]		72.8	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		4.3	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		1.8	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		20.2	---
	Fall of flaming droplets/particles			N



Melamine-faced boards for interior uses (type MFB pursuant to EN 14322) designated as "FUNDERMAX Star Favorit Superfront 1.0", 12 mm thick:

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	---	Y
			---	N
<b>ÖNORM EN 13823</b>	FIGRA <sub>0.2 MJ</sub> [W/s]	3	109.2	---
	FIGRA <sub>0.4 MJ</sub> [W/s]		109.2	---
	LFS < edge of specimen			Y
	THR <sub>600s</sub> [MJ]		7.2	---
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		3.0	---
	TSP <sub>600s</sub> [m <sup>2</sup> ]		19.2	---
Fall of flaming droplets/particles		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 products (described in the test reports listed above) are 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	1	,	d	0

## 4.2 Scope of Application

This classification applies to the construction product/s described in the above-mentioned test reports; the thickness of the core chipboard may vary from 12.0 mm to 38.0 mm. The reaction to fire performance class pursuant to EN 13501-1 for the core chipboard within this range of thicknesses is of B.

The classification is furthermore valid for the following coated products:

- “FunderMax Star Favorit Superfront with brown core (S05 and S10)”
- “FunderMax Star Favorit Superfront with white core (S05 and S10)”
- “FunderMax Star Favorit Superfront with black core (S05 and S10)”

and all other coats (S-structure, Superfront) with equal or less organic content. The décor layer may have any colour. The thickness and the number of coats must not exceed those described in the test reports.

All carrier boards conforming to Euro Classes A1 or A2 with a density  $\geq 650 \text{ kg/m}^3$  may be used. An air gap between the carrier board and the construction product or adhesive bonding of the carrier board and construction product is inadmissible.

Open edges are not permitted in final use.

## 5 Restrictions

### 5.1 General

This classification report is valid for a period of 5 years, it will thus expire on 28 December 2021. 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

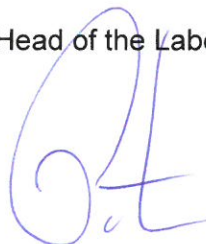
This document does not serve the purpose of type certification or certification of the construction product.

The Case Manager:



Dipl.-Ing. Dieter Werner, MSc

The Head of the Laboratory:



Dipl.-Ing.Dr.techn. Christian Pöhn

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



Dipl.-Ing. Georg Pommer

