



FunderMax GmbH
IZ NÖ-Süd
2355 Wiener Neudorf

Mail: David.Seiwald@fundermax.biz

Municipal Department 39
Rinnböckstraße 15/2
1110 Vienna
Phone +43 1 4000 8039
Fax +43 1 4000 99 8039
post@ma39.wien.gv.at
ma39.wien.at

MA 39 – 25-01969

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Classification

of reaction to fire in accordance with EN 13501-2:2016

sponsor:	FunderMax GmbH
prepared by:	Municipal Department 39 - Research Centre, Laboratory and Certification Services of the City of Vienna
Notified body No.:	1139
product designation:	Load-bearing balcony construction consisting of a steel substructure with balcony floor slabs with the designation "MAX Compact Exterior Podio Balkonbodenplatte"
classification report no.:	MA 39 – 25-01969
issue no.:	2
date of issue:	19 April 2025

This classification report replaces the classification report MA 39 - 23-02555 and may not be used in extracts or reproduced in extracts.

Compared to the first version, the description and the scope of application have been clarified.

1 Instruction

This fire resistance classification report defines the classification assigned to the load-bearing balcony structure consisting of a steel substructure with balcony floor slabs with the designation "MAX Compact Exterior Podio Balkonbodenplatte", described in the test report listed in section 3.1, in accordance to the procedures EN 13501-2:2016.

2 Details of classified product

2.1 General information

The component "MAX Compact Exterior Podio Balkonbodenplatte" belongs to the product type "load-bearing ceiling and roofs with space-enclosing function".

2.2 Description

The "MAX Compact Exterior Podio Balkonbodenplatte" component is a load-bearing balcony construction consisting of a steel substructure with MAX Compact Exterior balcony floor panels. Thickness of the balcony floor slab "MAX Compact Exterior Podio Balkonbodenplatte": 20 mm
Dimensions of the MAX Compact Exterior balcony floor panels: 3260 mm x 1592 mm
Dimensions of tubular steel construction: Edge beam FR 180/80/5;
Center beam: FR 140/80/5

The test was carried out with concrete slabs as a full-surface test load in accordance with EN 1365-2, laid over the entire surface without joints on the Fundermax "MAX Compact Exterior Podio Balkonbodenplatte",
400 mm x 400 mm x 50 mm, approx. 17.5 kg each with additional concrete cubes of 8 kg each to achieve the required load of 120 kg/m².

3 Report and results in support of this classification

3.1 Test report (Basis of the classification)

Name of Lab	Test commissioned by	File numbers of test reports	Test procedures
MA 39 Rinnböckstraße 15/2 1110 Vienna	FunderMax GmbH IZ NÖ-Süd 2355 Wiener Neudorf	MA 39 – 22-08074 dated 14 March 2023	EN 1365-2

3.2 Test results

Table 1: Loading conditions

Fire scenario:	External fire curve
Flame treatment:	Underside

Table 2: Results

Fire resistance test dated 16 September 2022 (MA 39 - 22-08074):

Test duration [min]	74
Loadbearing capacity [min]	74
Integrity [min]	74
Insulation [min]	69

Table 3: Overall result

Test procedure	Parameters	Test result (min)
EN 1365-2	R	60
	E	60
	I	60

4 Classification and field of application

4.1 Reference for classification

This classification has been carried out in accordance to EN 13501-2:2016, section 7.3.3.

4.2 Classification

The component (described in the mentioned test report) is classified as follows in term of reaction to fire performance:

**Load-bearing balcony construction consisting of a steel substructure with balcony floor slabs with the designation
"MAX Compact Exterior Podio Balkonbodenplatte":**

(flame impingement (external fire curve) from the underside)

RE		20-ef	30-ef		60-ef
REI	15-ef	20-ef	30-ef	45-ef	60-ef

4.3 Scope of application

This classification applies to the tested construction described in point 2.2 (see information MA 39 - 22-08074), a load-bearing balcony construction consisting of a steel substructure with balcony floor panels with the designation "MAX Compact Exterior Podio Balkonbodenplatte".

5 Limitations

This document is not a type certification or a certification of the construction product.

This classification report is valid for a period of 5 years, it will thus expire on 24 March 2028 at the latest. Any provisions in European product standards as may restrict the period of validity here of 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.

This report has also been issued in German language. In case of doubt, the German wording (MA 39 -23-06096) is valid.

The Case Manager
Dipl.-Ing. Christoph Zodl, BSc

The Head of the Laboratory
authorised to sign
Dipl.-HTL-Ing. Kurt Danzinger, MSc

The Head of the Research Centre,
Laboratory and Certification Services
Dipl.-Ing. Dieter Werner, MSc

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