DMT

Ein Unternehmen der
TÜV NORD GROUP
Excellence for your Business

DMT GmbH & Co. KG
DMT Test Laboratory for Fire Protection

Test Body for Fire Protection

Tremoniastraße 13
44137 Dortmund
Germany

Branch
Hermann-Kemper-Straße 12a
49762 Lathen
Germany

Telefon +49 5933 92448-0
Telefax +49 5933 92448-25
dmt-firetest@dmt-group.com
www.dmt-group.com

Classification of Fire Resistance Performance in accordance with EN 13501-2:2023

- - - - - - - - - -

K-6048-DMT-DO (translation)

Customer	AGC Glass Europe Avenue Jean Monnet 4 1348 Luóuvain-la-Neuve Belgium
Compiled by	DMT GmbH & Co. KG DMT Test Laboratory for Fire Protection, Test Body for Fire Protection Hermann-Kemper-Straße 12a 49762 Lathen Germany
Number of notified body	2509 *(Horizontal notification for: EN 1364-1)*
Product	Non-loadbearing glazed partition
Product designation	Pyrobel 16 VL in a Forster Fuego Light EI30 frame
Nr. of the classification report	K-6048-DMT-DO
Issue number	1
Issue date	13.08.2024
Validity	unlimited

egolf member

DMT-Prüfstelle für Brandschutz DMT

This classification report consists of 8 pages.

TABLE OF CONTENTS **PAGE**

1 Introduction

This classification report of fire resistance performance defines the classification assigned to a fire protection glazing wall with designation „Pyrobel 16 VL in a Forster Fuego Light EI30 frame“ in accordance with the procedures given in EN 13501-2:2023.

2 Details of classified product

2.1 General

The building component „Pyrobel 16 VL in a Forster Fuego Light EI30 frame“ in combination with fire protection glass panes “Pyrobel 16 VL“ is defined as a non-loadbearing internal partition assembly.

The building component „Pyrobel 16 VL in a Forster Fuego Light EI30 frame“ is provided for the appropriation as a fire protection non-loadbearing partition. It fulfils specific performance characteristics for fire resistance behaviour according to section 5 of EN 13501-2 when flamed one-sided (section 5.2.2, 5.2.3 and 5.2.4).

An exposed side is not defined.

2.2 Detailed product description

Frame: product: Forster Fuego Light EI30 frame

Panes: product: Pyrobel 16 VL

The product „Pyrobel 16 VL in a Forster Fuego Light EI30 frame“ is a non-loadbearing fire protection glazed partition consisting of a steel-compound frame and fire protection glass panes of type “Pyrobel 16 VL”.

The insulated profiles have a depth of 65 mm and a width of 50 mm resp. 70 mm. All connections were welded. At one side glazing beads were positioned, height 20 mm. The steel frame was circumferential on three sides.

The glass panes are of type „Pyrobel 16 VL“ with a total thickness of 17 mm, consisting of Floatglas, thickness 3 mm / intumescent layer, thickness 1,65 mm / Floatglas, thickness 8 mm / intumescent layer, thickness 1,65 mm / Floatglas, thickness 3 mm. The maximum glass pane size is 1000 mm x 2854 mm.

The 4 mm joint between the butt-jointed glass panes is completely filled with silicone „Dowsil 895“.

Between glass and glazing bead resp. profile glazing tape „Superwool X607“, manufacturer Odice, dimensions 20 mm x 5 mm, above sealing with silicone. An intumescent stripe Forster art. no. 948002, dimensions 25 mm x 2 mm, is positioned each circumferential at the insulator of the profile as also at the profile below the glass pane.

The building component is described completely in the test report and the report of extended application, which are referred to in section 3.1 for verification of classification.

3 Test reports / reports of extended classification and test results for verification of classification

3.1 Test reports

3.1.1 Test reports according to EN 1364-1

No.	Name of Laboratory No. of Notified Body	Name of sponsor	Test report no. dated	Test method
F1	DMT GmbH & Co KG 2509	AGC Glass Europe	DMT-DO-61-327 09.08.2024	EN 1364-1: 2015 EN 1363-1: 2020

3.1.2 Test results of test reports according to EN 1364-1

Test report number Brief description of the test specimen	Parameter	Results [min]
(F1) DMT-DO-61-327 Non-loadbearing assembly made of steel-compound profiles “Forster Fuego Light EI 30” with a thickness of 65 mm and three pieces of fire protection glass panes “Pyrobel 16 VL” with an element size of 2945 mm x 2970 mm and a maximum glass pane size of 1000 mm x 2854 mm. Exposed side glazing beads side	Integrity (cotton pad)	34
	Integrity (gap gauge)	34
	Integrity (sustained flaming)	34
	Insulation I	32
	Radiation	34

3.2 Reports of extended application

Nr.	Test report no. dated	Name of Test Body Notified Body	Name of sponsor	Standard of extended application
E1	E-6111-DMT-DO 13.08.2024	DMT GmbH & Co. KG 2509	AGC Glass Europe	EN 15254-4

4 Classification and field of application

4.1 Reference of classification

This classification was carried out in accordance with EN 13501-2:2023, section 7.5.2.

4.2 Classification

The fire protection door of type „Pyrobel 16 VL in a Forster Fuego Light EI30 frame“ of AGC Glass Europe with glass panes “Pyrobel 16 VL”, may be classified according to the following combinations of performance parameters and classes as appropriate.

R	E	I	W		t	t	–	M	S	–	C	IncSlow	sn	ef	r

E 30, EI 30, EW 30

4.3 Field of application

The scope of the classified component with direct and extended field of application is given in the test report and the report of extended application.

5 Limitations

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

Lathen, 13.08.2024

DMT-Prüfstelle für Brandschutz DMT

Kruse
(deputy head of test lab)

Kanjahn
(case worker)

Annotations

Documents without stamp and sign have no validity. The cover page and the sign page of this document are signed with the stamp.

This classification report has to be used and reproduced unchanged and entirely only. Extracts or abridgements are subjected to a written permission by DMT GmbH & Co. KG, Test Body for Fire Protection.

This classification report was delivered in digital format.

A publication requires the written approval of DMT GmbH & Co. KG, Test Body for Fire Protection.

Translations of this classification report have to include the annotation „Translation of the german original version not proven by DMT GmbH & Co. KG, Test Body for Fire Protection“. In cases of doubt the german original version of the report is valid.

NB numbers of the inspection bodies are given in the lists for the reports; information on the complete scope of notification of the respective body can be found in the NANDO database.