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**Classification of Fire  
Resistance Performance  
in accordance with  
EN 13501-2:2023  
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K-6049-DMT-DO**

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<b>Number of notified body</b>	2509 <i>(Horizontal notification for: EN 1364-1)</i>
<b>Product</b>	Non-loadbearing glazed partition
<b>Product designation</b>	Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30
<b>Nr. of the classification report</b>	K-6049-DMT-DO
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## **1 Introduction**

This classification report of fire resistance performance defines the classification assigned to a fire protection glazing wall with designation „Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30“ in accordance with the procedures given in EN 13501-2:2023.

## **2 Details of classified product**

### **2.1 General**

The building component „Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30“ in combination with fire protection glass panes “Pyrobel-T EI30-27 Vision line“ is defined as a non-loadbearing internal partition assembly.

The building component „Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30“ 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).

The exposed side is the side of the glazing beads and the side of the toughened pane.

### **2.2 Detailed product description**

Frame: product: Forster Fuego Light EI30 frame

Panes: product: Pyrobel-T EI30-27 Vision line

The product „Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30“ is a non-loadbearing glazed wall with insulated steel-compound frame profiles “Forster Fuego Light EI 30” with glazing beads on one side and fire resistant glass panes of type „Pyrobel-T EI30-27 Vision Line“.

In the test report the building component is described completely, so the construction is described here only in rough outlines.

The insulated profiles have a depth of 65 mm and a width of 50 mm resp. 70 mm. The connections were welded. At one side glazing beads were positioned, height 20 mm. The steel frame was circumferential on three sides. It has two corners of 90° and two 135° corners.

The glass panes are of type „Pyrobel-T EI30-27 Vision line“ with a total thickness of 27,5 mm, consisting of Toughened glass, thickness 8 / intumescent layer, thickness 6 / Float glass,

thickness 6 / PVB film, thickness 1,52 / Float glass, thickness 6. The maximum glass pane size is 1500 mm x 3600 mm.

The 4 mm joint between the butt-jointed glass panes is filled with tow stripes of “Kerafix FXL 200”, dimensions 20 mm x 2 mm (90° corners) resp. 17 mm x 2 mm (135° corners) and above sealed with silicone „Dowsil 895“.

Between glass and glazing bead resp. profile glazing tape „Superwool X607“, manufacturer Odice, dimensions 15 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. At the glass edges towards the profiles an intumescent tape “Flamiseal G”, dimensions 28 mm x 2 mm was glued to the glass edge.

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-61-337 21.10.2024	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-61-337 Non-loadbearing assembly made of steel-compound profiles “Forster Fuego Light EI 30” with a thickness of 65 mm, with two 90° corners and two 13° corners and five pieces of fire protection glass	Integrity (cotton pad)	34
	Integrity (gap gauge)	34
	Integrity (sustained flaming)	34
	Insulation I	34

panes "Pyrobel-T EI30-27 Vision line" with an element size of 3940 mm x 3716 mm and a maximum glass pane size of 1500 mm x 3600 mm. Exposed side glazing beads side	Radiation	34
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### 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-6112-DMT-DO 25.10.2024	DMT GmbH & Co. KG 2509	AGC Glass Europe	EN 15254-4: 2018

**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 glazing wall of type „Pyrobel-T EI30-27 VL+angles in Forster Fuego Light EI30“ of AGC Glass Europe with glass panes “Pyrobel-T EI30-27 Vision line”, 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
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**E 30, EI 30, EW 30**

*The exposed side is the side of the glazing beads and the side of the toughened pane.*

**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, 25.10.2024

  
\_\_\_\_\_  
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(deputy head of test lab)

  
DMT-Prüfstelle für Brandschutz  
DMT

  
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(case worker)

### **Annotations**

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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.