

# FIRE SAFETY CERTIFICATION

## FIRE PERFORMANCE

No. **APF-1756**

**LGAI TECHNOLOGICAL CENTER S.A. (APPLUS)**, according to the requirements of the SPC-117 certifies the Fire Performances following the Classification and Testing standard for:

<b>Product</b>	Door: <b>EVEREST-FIRE EXIT DOOR</b>
<b>Company</b>	<b>EVEREST ÇELİK KAPI SAN. VE TİC. LTD. ŞTİ.</b> Organize Sanayi Bölgesi 2. Cadde No:1 Melikgazi/Kayseri (Turkey)
<b>Manufactured</b>	<b>EVEREST ÇELİK KAPI SAN. VE TİC. LTD. ŞTİ.</b> Organize Sanayi Bölgesi 2. Cadde No:1 Melikgazi/Kayseri (Turkey)
<b>Classification and testing standards</b>	UL 10C:2016: "UL Standard for Safety. Positive Pressure Fire Tests of Door Assemblies".
<b>Product Details and Test Report</b>	Check at the technical annex report n° 20/21532-295-2 M1





LGAI has performed the product initial tests and the initial assessment of the management system. Periodically, the entity does a follow-up assessment of the management system.

**Renovation** of the initial certificate issued on 5<sup>th</sup> June 2020

**Valid until 31<sup>st</sup> January 2024**

Bellaterra, 5<sup>th</sup> May 2023

 LGAI Technological Center, S.A. <b>Xavier Ruiz Peña</b> Product Conformity B. U., Managing Director	
You can check the validity of this certificate on our website: <a href="http://www.appluslaboratories.com/certified_products">www.appluslaboratories.com/certified_products</a>	

This document is not valid without its technical annex, whose number coincides with the number of certificate.



## **APF-1756**

### **CERTIFIED PERFORMANCE**

Resistance to fire: 79 minutes + Hose stream test

#### **Product Application:**

Type of door: Single leaf hinged steel doorset.

Opening direction: Inward the fire sector.

Overall door dimensions: 1040 x 2070 mm (width x height).

Overall dimensions of clear opening: 860 x 1960 mm (width x height).

Overall leaf dimensions: 930 x 2010 mm (width x height).

Leaf composition (from non-hinged to hinged face):

- Total thickness of 57 mm.
- Galvanized steel sheet of 1 mm thick + gypsum board of 12,5 mm thick and a weight of 10 kg/m<sup>2</sup> + stone wool board of 30 mm thick and a density of 40 kg/m<sup>3</sup> + ceramic blanket of 25 mm thick (compressed to the thickness of leaf) and a density of 128 kg/m<sup>3</sup> + galvanized steel sheet of 1 mm thick.
- Polyester coating on both sides of the leaf.
- Welding points and overlaps on vertical sides and upper horizontal member to fix the galvanized steel sheets.

Frame composition:

- Total dimensions: 104 x 226 mm (width x depth).
- Elements: 2 vertical elements and one upper horizontal element.
- Composition: 2 different steel profiles (profile 1 and profile 2) of 2 mm thick each one. Joined together by screws on each vertical element and continuous welding to fix the vertical elements and upper horizontal member.
- Frame covered with polyester coating.
- Gap between frame and supporting construction filled with mortar.
- EPDM sponge gasket, dimensions of 25 x 16 mm, located on the entire perimeter of the frame profile 1.
- Intumescent seal, dimensions of 25 x 2 mm, located on the entire perimeter of the frame profile 2.

Sill:

- Constituent elements:
- Continuous welding to fix sill profiles 3 and 4.
- Polyester coating covering the elements of the sill.
- EPDM sponge gasket, dimensions of 25 x 16 mm, located along the entire width of the sill profile 3.
- Intumescent seal, dimensions of 25 x 2 mm, located along the entire width of the sill profile 4.

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### Hardware:

- Panic bar with locking system and strike, with reference "OMN-200E" from OMNI panic system.
- 1 spring hinge (central hinge) with dimensions of Ø26 x 186 mm and two hinges without spring (upper and lower side) with dimensions of Ø26 x 112 mm, reference "D07.9B1" from DEMKA.

### Gaps:

- Between leaf and lintel: 4,8 mm.
- Between leaf and hinged side: 3,7 mm.
- Between leaf and lock side: 7,7 mm.
- Between leaf and sill: 5,7 mm.

### Supporting construction:

Brick enclosure with a total thickness of at least 200 mm and a density equal or greater than 450 kg/m<sup>3</sup>. Door fixed by at least 4 screws on each vertical lateral and at least 4 steel plate welded to the frame profile 1 on each vertical lateral.