

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:

Product	Door: EVEREST-FIRE EXIT DOOR
Company	EVEREST ÇELİK KAPI SAN. VE TİC. LTD. ŞTİ. Organize Sanayi Bölgesi 2. Cadde No:1 Melikgazi/Kayseri (Turkey)
Manufactured	EVEREST ÇELİK KAPI SAN. VE TİC. LTD. ŞTİ. Organize Sanayi Bölgesi 2. Cadde No:1 Melikgazi/Kayseri (Turkey)
Classification and testing standards	UL 10C:2016: "UL Standard for Safety. Positive Pressure Fire Tests of Door Assemblies".
Product Details and Test Report	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 5th June 2020

Valid until 31st January 2023

Bellaterra, 8th April 2022

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

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

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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/m² + stone wool board of 30 mm thick and a density of 40 kg/m³ + ceramic blanket of 25 mm thick (compressed to the thickness of leaf) and a density of 128 kg/m³ + 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 $\varnothing 26 \times 186$ mm and two hinges without spring (upper and lower side) with dimensions of $\varnothing 26 \times 112$ 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^3 . 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.