

## Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

### APPLICANT

Placed on the market under the name of

## I.T. Impianti Tecnologici S.R.L.

Largo Delle Industrie, 25/26  
24020 Torre Boldone (Bergamo) Italia

### Produced in the manufacturing plant

Largo Delle Industrie, 25/26  
24020 Torre Boldone (Bergamo) Italia

### PRODUCT

## Smoke and heat control systems. Smoke duct sections

**Model:** ITEF-S R600

### APPLICABLE REGULATION

## Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard:

### EN 12101-7:2011

Under **system 1** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-7176

**Date issued:** 18/07/2025

**First issue date:** 28/06/2024

**Follow-up date:** before 30/06/2026

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

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



**Xavier Ruiz Peña**  
Managing Director  
Conformity Assessment

Applus<sup>+</sup>  
certification

**LGAI Technological Center S.A. (APPLUS)**  
**Notified Body No. 0370**  
Campus UAB. Ronda de la Font del Carme s/n  
08193 Bellaterra, Barcelona (Spain)



Check the status  
of this certificate

# Certificate

# Technical Annex

## Annex according to EN 12101-7:2011

### Smoke and heat control systems. Part 7: smoke duct sections

#### Certified performances

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Fire resistance. Multi-compartment	4.1.1	NA
Integrity	a)	NA
Insulation	b)	NA
Smoke leakage	c)	NA
Mechanical stability	d)	NA
Maintenance of cross section (under E)	e)	NA
Fire resistance. Single compartment	4.1.2	PASS
Integrity	a)	E <sub>600</sub> 120 (ho) S 1500 Single
Smoke leakage	b)	E <sub>600</sub> 120 (ho) S 1500 Single
Mechanical stability	c)	E <sub>600</sub> 120 (ho) S 1500 Single
Maintenance of cross section (under E)	d)	E <sub>600</sub> 120 (ho) S 1500 Single

PASS; NPD = No Performance Determined; NA = Not Applicable

## Product

- Smoke and heat extraction duct made of rectangular galvanized steel exposed to fire around the perimeter.
- Duct tested in horizontal position.
- Leak class: D according to test report 24/32304995 (EN 1507:2007)
- Rectangular range sizes up to 1000mm base by 1250mm section height, 1mm thickness. Maximum length 1500 mm.
- Joints between sections using:
  - Longitudinal section: Pittsburgh
  - Cross section:
    - Flange: with dimensions 30 mm x 1 mm (width x thickness).
- To seal the joints of the sections the following are used:
  - Gasket on the flange Superwool® Plus™ Paper Brand AL.CA S.r.l
  - Alcasill NE 300 sealant by AL.CA S.r.l positioned on the union between the flange and the duct.
- Reinforcements internal to the duct: M10 bar fixed with nut/washer and siliconed with Alcasill NE 300 sealant, brand AL.CA S.r.l, the bar is positioned centrally to the duct module only in the conditions described in the test report or unfavorable.
- Support method: the duct is supported by means of hangers made up of vertical M8 threaded bars and bars with a section of 41 x 21 mm and a thickness of 2 mm positioned horizontally. With a distance not exceeding 1485 mm.

The complete technical data of the certified range are detailed in the technical dossier nº 24-32300387 and 24-32300387-1