



Notified Body No. 0370

# CERTIFICATE



No.

0370-CPR-4428

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation *305/2011/EU* of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

**SMOKE AND HEAT CONTROL SYSTEMS. PART 7: SMOKE DUCT SECTIONS**

PRODUCT: **RSDS**

Place on the market under the name of:

**S.C. KRONVENT HVAC S.R.L.**

BRASOV, STR. BRANDUSELOR 68-70,  
ETAJ 2, BIROU 25, AP. C1-U5  
ROMANIA

And produced in the manufacturing plant:

RECI, COSVANA DISTRICT,  
ROMANIA

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 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 25<sup>th</sup> September 2020 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

**The monitoring assessment will be done before 30<sup>th</sup> September 2021**

Bellaterra, 25<sup>th</sup> September 2020

  
Applus<sup>+</sup>  
LGAI Technological Center, S.A.

Xavier Ruiz Peña  
Managing Director, Product Conformity B.U.



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

*You can check the validity of this certificate into our website at: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)*

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### CERTIFIED PERFORMANCES

ESSENTIAL CHARACTERISTICS	REQUIREMENTS CLAUSES EUROPEAN STANDARD	MANDATED LEVELS OR CLASSES
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

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### PRODUCT

- RSDS-Rectangular single compartment 4 sided ducts and fittings for smoke extraction, horizontal direction.
- Rectangular range dimensions up to 1250 x 1000 mm. (width x height) and thickness 0,8 mm.
- Reinforcing duct system:
  - Internal steel stiffeners, Ø10 mm threaded rods shrouded with 16 mm (outer diameter) steel pipe. Reference: RURA OC. 3/8 by Alnor®.
- Fixing between sections:
  - Transverse section: galvanized steel flange Clip Integrated System CGF 30 by Firmac. 30 mm and 0.8 mm thick.
  - Corner plates reference Hi30 A+B by VENTO.
  - Flange-duct fixing method: welding; Flange-flange fixing method: tightened by means of KLQ-20 G-clamps at 220 mm centre distance (long sides) and at 120 mm centre distance (short sides).
- Intumescent products:
  - "FyreWrap® IG Tape" intumescent gasket by Unifrax. Dimensions: 30 x 4 mm. Placed on the contact surface between flange joints.
  - "Hilti Silicone Sealant CFS-S SIL" sealant by Hilti. Placed at all flanges, corners and along the internal longitudinal joints.
- Supporting method:
  - Supported by means of hangers made of: Threaded rods + nuts + washers, Ø10 mm; M8 Nuts and washers; Steel C-profiles 41 x 41 mm and 2 mm thick.
  - Distance between hangers shall not surpass 1330 mm.
  - Distance between hangers and joints shall not surpass 480 mm
  - Distance between the outer surface of the duct and the centre line of the suspension device: 50 mm.

The gap between the duct and the supporting construction is filled in with reference "Insulfrax® LTX™ Blanket" by ROCKWOOL, 20 mm thick and density of 180 kg/m<sup>3</sup>blanket

The complete technical data of the certified range **RSDS** are detailed in the technical file and the test and classification reports nº 20/21730-735 and 20/21730-735-1.