

CERTIFICATE

No. **0370-CPR-2261**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation (EU) Nr. 305/2011 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. VENTILATORS (FANS)

PRODUCT RANGE: **ALVYRAL F400** ₍₁₂₀₎

Placed on the market under the name of:

ALVENE

ZA LA MONTIGNETTE, RUE DES LIBÉRATEURS DE 1944
80260 VILLERS BOGAGE (FRANCE)

And produced in the manufacturing plant:

ZA LA MONTIGNETTE, RUE DES LIBÉRATEURS DE 1944
80260 VILLERS BOGAGE (FRANCE)

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

EN 12101-3:2015

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

This certificate was first issued on 11th December 2015 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 18th February 2022.

The monitoring assessment will be done before 31st December 2022

Bellaterra, 18th February 2022




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 on our website: www.appluslaboratories.com/certified_products

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Annex according to **EN 12101-3:2015**

SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT CONTROL VENTILATORS (FANS)

CERTIFIED PERFORMANCE

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Response delay - Opening under wind load within a given time; - Opening under snow load within a given time.	4.1.1	NA
		NA
Operational reliability - Application categories; - Motor rating.	4.2.2	<ul style="list-style-type: none"> Thermally uninsulated Direct feed and converter Dual purpose use
	4.2.3	F 80K
Effectiveness of smoke/hot gas extraction: - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	+/-20% (P _s)
Resistance to fire	4.4	F400(120)
Ability to open under environmental conditions - Opening under wind load within a given time; - Opening under snow load within a given time.	4.5	NA
		NA
Durability of operational reliability	4.6	F 80K

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

PRODUCT

1.- Application:

- Fan tested outside the furnace
- Extractor F400 (120).
- Dual use.
- To use outside the smoke reservoir.
- Horizontal/vertical airflow for input and output.

3.- Accessories:

- Protective cover
- Proximity switch
- Variable speed drive, reference T-VERTER N2-400, manufacturer Sermes

2.- Characteristics:

- Motor: WEG / AEG
- Rated Frequency motor: 50/60 Hz.
- Rated Voltage motor: 400 V.

Note: According to Annex A.2 of the test standard UNE EN 12101-3:2015 a motor brand different from the one in this certificate when the motor is out of the draft and the impeller is assembled on the motor shaft. The new motor should have the same kind of insulation, bearing type, assembly class, speed, synchrony and nominal capacity as the tested motor.

The complete technical data of the certified range **ALVYRAL F400 (120)** are detailed in the technical file and the range report **RS80-175**