



Notified Body No. 0370

CERTIFICATE



No.

0370-CPR-2828

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
STEEL CIRCULAR SINGLE COMPARTMENT SMOKE CONTROL SYSTEM DUCT

Place on the market under the name of:

LINDAB VENTILATION AB

GREVIE, 26982 BASTAD
(SWEDEN)

And produced in the manufacturing plant:

LINDAB S.R.L. - Via Verga 82, 10036 Settimo Torinese – Torino (Italy)

LINDAB KFT. - Állomás u.1/A, 2051 Biatorbágy (Hungary)

LINDAB S.R.O. - Na Hůrce 1081/6, 16100 Prague 6-Ruzyně (Czech Republic)

OY LINDAB AB - 029020 Espoo. Juvan Teollisuuskatu 3 (Finland)

LINDAB AS, SAHA-LOO TEE 4 - Iru küla, 74206 Jõelähtme vald, Harjumaa (Estonia)

OY LINDAB AB - Kankitie 3, 40320 Jyväskylä (Finland)

LINDAB S.R.L. - Soseaua de Centura nr.8, Stefanestii de Jos, Ilfov 077175 Romania

LINDABAG - CH -8112 Otelfingen Industriestrasse 24

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 29th September 2017 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. It is confirmed and modified on 19th June 2020.

The monitoring assessment will be done before 30th June 2021

Bellaterra, 19th June 2020


Applus⁺
L.GAI 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 the number of certificate

You can check the validity of this certificate into our website at: <https://apps.applus.com/microsites/microsites/FECIP/login>



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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 ₆₀₀ 120 (ho) S 1500 Single |
| Smoke leakage | b) | E ₆₀₀ 120 (ho) S 1500 Single |
| Mechanical stability | c) | E ₆₀₀ 120 (ho) S 1500 Single |
| Maintenance of cross-section (under E) | d) | E ₆₀₀ 120 (ho) S 1500 Single |

PASS; NPD = No Performance Determined, NA = Not Apply

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PRODUCT

Main technical specification with details described in the fabrication master and installation manual of the manufacturer:

- Circular hot-dip galvanized steel smoke extraction duct exposed all along the surface
- Duct tested in horizontal position up to 1000 mm diameter
- Leakage in accordance to EN 1507:2007.
- Minimum thickness ducts 0,7 mm up to 1000 mm diameter
- Minimum thickness fittings 0,5 mm up to 1000 mm diameter
- Maximum length of individual parts of the duct is 3000 mm
- Ducts are connected with fittings equipped with Lindab Safe connection and intumescent gasket. The fittings are fixed to the duct with self-tapping screws (Ø 4,3x13 mm) or steel blind rivets (Ø 4x10 mm)
- Suspension spacing between the hangers is 3000mm up to 800 mm diameter and 2300 mm for >800 to 1000 mm diameter. The hangers are made with collars (Lindab UV, DRSN, UVH), M8 threaded rods, nuts and washers.
- Suspension spacing between the hangers can be 3000 mm for all diameters up to 1000mm, using M10 threaded rods
- Compensator SCNPUSS included in the system – FR-090-14-AUNE2, JR-072-14-NURE2

Accessories tested together with the smoke control system:

- **Grilles** (Lindab RGS/GRS) – FR-090-14-AUNE2, JR-072-14-NURE2
- **Circular silencers with and without baffles** (Lindab SLUSS2, SLGPUSS2, BSLUSS2) – FR-090-14-AUNE2, JR-072-14-NURE2
- **Threaded insert M12** (type Bollhoff) – EFR-16-H-001517

Classification

E₆₀₀ 120 (ho) S 1500 single

The certified range's complete data sheet is detailed in the technical file and test report FR-090-14-AUNE2 and classification report with expert judgment JR-072-14-NURE2.