

Certificate of constancy of performance

0336 – CPR – 89212574-01 H

In compliance with Regulation (EU) No 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(s)

Natural smoke and heat exhaust ventilator
with the intended use of exhausting natural smoke and heat

specified by the commercial name(s)

Estra®

placed on the market under the name or trade mark

Kingspan Light + Air

Linie 48, 5405 AN Uden – The Netherlands

and produced in the manufacturing plant(s)

Kingspan Light + Air

Linie 48, 5405 AN Uden – The Netherlands

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

EN 12101-2:2003

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 May 25th, 2007 under the Construction Products Directive 89/106/EEC (CPD) 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

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Westervoortsedijk 73
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The Netherlands

Arnhem, September 25st, 2019



R. de Jonge, MD

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name(s):
Estra®

Field of Application and classification

Estra, electrical/pneumatically operated with single glazed louvres

Wmin [mm]	Wmax [mm]	Lmin [mm]	Lmax [mm]
400	1.500	700	3.000

Estra, electrical/pneumatically operated with double glazed insulated louvres

Wmin [mm]	Wmax [mm]	Lmin [mm]	Lmax [mm]
400	1.600	700	3.000

The classifications for these dimensional ranges are:

Annex B	C_v	Up to 0,61 Single Glazed Up to 0,58 Double Glazed
Annex C	Re	Minimum Re 1000 (+10.000) dual purpose ventilator
Annex D	SL (T00)	0 N/m ² (Vertical)
	SL T(-15)	0 N/m ² (Vertical)
Annex E	WL	1500 N/ m ²
Annex F	B300	Classified
Reaction to fire	- E	Tested as individual components

This certificate dated September 25th, 2019 consists of 1 certificate and 1 annex of 2 pages