

## Certificate of constancy of performance

0336 – CPR – 89212574-02 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)

**EURA and EURA-R®**

placed on the market under the name or trade mark

**Brakel Aluminium B.V.**

**Linie 48, 5405 AN Uden – The Netherlands**

and produced in the manufacturing plant(s)

**Brakel Aluminium B.V.**

**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 September 11<sup>th</sup>, 2010 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

TÜV Rheinland Nederland BV  
Westervoortsedijk 73  
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The Netherlands

Arnhem, December 6th, 2018



H. van Ginkel, LSM

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**Annex 1**  
**Natural smoke and heat exhaust ventilator**

Commercial name(s):  
**EURA and EURA-R ®**

Field of Application		
<b>Basetypes</b>		Low base, High base and Insulated high base;
<b>Louvertypes</b>		Uninsulated, Insulated, Isolux 8mm, Isolux 16mm, Isolux 25mm, Sandwich 16mm, Sandwich 25mm, Sandwich Vacuum, Laminated Glass, Insulated Glass.
<b>Sizes</b>	Width	Between type 30 and type 240 From 300mm up to 2440mm
	Length	Between 3 louvers and 17 louvers From 300mm up to 3840mm
<b>Operations</b>	<b>PB</b>	Single pipe system with compressed air cylinder(s) with a release element.
	<b>PB10bar</b>	Single pipe system with compressed air cylinder(s) with a 10bar release element.
	<b>PBFS</b>	Single pipe fail safe system with compressed air cylinder(s) with a release element.
	<b>P2B</b>	Double pipe system with compressed air cylinder(s) with a release element.
	<b>M24</b>	Electrical actuator powered by 24volt
	<b>PBM</b>	Electrical actuator powered by 24volt for natural ventilation combined with a single pipe system with compressed air cylinder(s) with a release element for SHEV function.

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**The classifications for this dimensional range are:**

Annex B	<b>C<sub>v</sub></b>	Up to 0,72
Annex C	<b>Re</b>	Minimum Re 300 (+10.000) dual purpose ventilator
Annex D +E	<b>SL (T00)</b>	Up to 3000 N/m <sup>2</sup>
	<b>SL T(-15)</b>	Up to 3000 N/ m <sup>2</sup>
Annex F	<b>WL</b>	Up to 3000 N/ m <sup>2</sup>
Annex G	<b>B300</b>	Classified
Reaction to fire	<b>- B,s1, d0</b>	Tested as a complete product
	<b>- E</b>	Tested as individual components