

EC - CERTIFICATE OF CONFORMITY

0432 – BPR – 210003446

In compliance the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that

the construction product

VENTRIA-O / VENTRIA-TG

[Natural Smoke and Heat Exhaust Ventilator (NSHEV)]

produced by the manufacturer

**Brakel Aluminium b. v.
Postbus 524
NL-5400 AM UDEN**

at the production site: **Postbus 524, 5400 Uden**

- is submitted to a factory production control by the manufacturer and that the approved body – **MPA NRW** – has performed
- the initial type-testing of the product
- the initial inspection of the production site and of the factory production control and
- performs the continuous surveillance, assessment and approval of the factory production control.

This Certificate of Conformity attests that all regulations concerning the attestation of conformity and the performances described in Annex ZA of the standard

DIN EN 12101-2: 2003-09

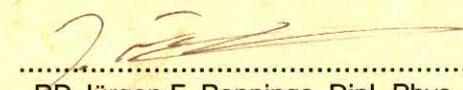
were applied. See enclosure of this Certificate of Conformity for special application notes.

This Certificate of Conformity was first issued on 2006-08-30. It shall be valid as long as the conditions laid down in the technical specification in reference are not modified and the manufacturing conditions at the production site or the FPC itself are not modified significantly.

The original of this document was issued in German language. In cases of doubt only the German version is valid.

Dortmund, 2006-08-30




RD Jürgen F. Pennings, Dipl.-Phys.
Head of the Certifying body

EC - Certificate of Conformity, Enclosure
No 0432 – BPR – 210003446
of 2006-08-30

The Certificate of Conformity no: 0432 – BPR – 210003446 is valid for Natural Smoke and Heat Exhaust Ventilators (NSHEV) of the company

Brakel Aluminium b. v.
Postbus 524
NL - 5400 AM UDEN

with the product names

VENTRIA-O / VENTRIA-TG

and the following essential characteristics:

Essential characteristics	Paragraph	Classification ¹⁾	Approval	Testing body
Initiation device, opening mechanism	4.1 4.2	thermal-pneumatic thermal-electric optical-electric	EN12259-1	0432
Reliability	7.1	Re 50 (type B)	1368-CPD-P-169/2006-C 1368-CPD-P-173/2006-C	1368
		Re 300 (type B)	1368-CPD-P-219/2009-C	
Wind Load	7.4	WL 1584	1368-CPD-P-172/2006-F 1368-CPD-P-175/2006-F	1368
Aerodynamic free area of the ventilator	6	A _a -values ¹⁾	1368-CPD-P-157/2006-B to 1368-CPD-P-159/2006-B	1368
Resistance to heat	7.5	B 300	210003446-WB-KB	0432
Opening under Load	7.2	SL 500	1368-CPD-P-170/2006-D 1368-CPD-P-174/2006-D	1368
	7.3	T (00)	needless	
Reaction to fire of the materials	7.5.2.1	E	210003446-WB-KB	0432

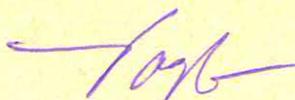
¹⁾ The A_a values can be found in the stated evidence. A_a values and classifications only apply to the dimensions, equipments and mounting positions of the natural smoke and heat exhaust ventilation systems (NRWG) described in the pertaining evidences.

This enclosure (version 2009-12-04) supersedes the enclosure dated 2006-08-30 and is only valid in connection with the above-mentioned Certificate of Conformity.

The original of this document was issued in German language. In cases of doubt only the German version is valid.

Dortmund, 2009-12-04




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RBAR Udo Vogler, Dipl.-Ing
Head of the Certifying body, on behalf