

## EC Certificate of Conformity

### 0432 - CPD - 210006001

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

### **VENTRIA-O / VENTRIA-TG**

[Natural Smoke and Heat Exhaust Ventilator (NSHEV) for roof application, see attachment to this EC Certificate of Conformity for special instructions for use]

placed on the market by

**Brakel Aluminium b.v.**  
**Linie 48**  
**NL - 5400 AM Uden**

and produced in the factory(ies)

**Brakel Aluminium b.v.**  
**Linie 48**  
**NL - 5400 AM Uden**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 0432 – MPA NRW – has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

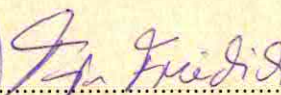
This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard(s)

### **EN 12101-2: 2003**

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 2012-09-05 and supersedes certificate no. 0432-BPR-210003446 dated 2006-08-30. It shall be valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Dortmund, 2012-09-05



Tanja Friedrich, Dipl.-Ing.  
Head of Certification Body

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

**Annex to EC Certificate of Conformity**

**No. 0432 - CPD - 210006001**

dated 2012-09-05

EC Certificate of Conformity no. 0432 - CPD - 210006001 applies to Natural Smoke and Heat Exhaust Ventilators (NSHEV) from

**Brakel Aluminium b.v.  
Linie 48  
NL - 5400 AM Uden**

**Series: VENTRIA-O / VENTRIA-TG**

with the following essential characteristics:

Essential characteristics	Para.	Classification <sup>1)</sup>	Documented evidence of conformity	Test lab
Initiation device, opening mechanism	4.1 4.2	Thermal-pneumatic Thermal-electric Optical-electric	EN12259-1	0432
Operational reliability	7.1	Re 50 (type B) with dual function Re 300 (type B) with dual function	1368-CPD-P-169/2006-C 1368-CPD-P-173/2006-C 1368-CPD-P-218/2009-C 1368-CPD-P-219/2009-C	1368
Reliability wind load	7.4	WL 1584	1368-CPD-P-172/2006-F 1368-CPD-P-175/2006-F	1368
Effectiveness of smoke/hot gas extraction; Aerodynamic free area	6	A <sub>a</sub> - values	1368-CPD-P-157/2006-B 1368-CPD-P-158/2006-B 1368-CPD-P-159/2006-B	1368
Performance parameters under fire conditions, fire resistance - mechanical stability	7.5	B300	210003446-WB-KB	0432
Ability to open under environmental conditions	7.2	SL 500	1368-CPD-P-170/2006-D 1368-CPD-P-174/2006-D	1368
	7.3	T (00)	1368-CPD-P-171/2006-E	1368
Reaction to fire	7.5.2.1	E	210003446-WB-KB	0432

<sup>1)</sup> The A<sub>a</sub> values are to be taken from the stated documented evidence of conformity. A<sub>a</sub> values and classifications only apply to the dimensions, configurations and installation positions of the NSHEV described in the associated documented evidence of conformity.

This annex (as at. 2013-04-22) supercedes the annex dated 2012-09-05 and is only valid in connection with the aforementioned EC Certificate of Conformity.

Dortmund, 2013-04-22



*Tanja Friedrich*

Tanja Friedrich, Dipl.-Ing.  
Head of Certification Body

**Annex to EC Certificate of Conformity**

**No. 0432 - CPD - 210006001**

dated 2012-09-05

EC Certificate of Conformity no. 0432 - CPD - 210006001 applies to Natural Smoke and Heat Exhaust Ventilators (NSHEV) from

**Brakel Aluminium b.v.  
Linie 48  
NL - 5400 AM Uden**

**Series: VENTRIA-O / VENTRIA-TG**

with the product designations

**VENTRIA-TG-P2B and VENTRIA-TG-M**

and the following essential characteristics:

Essential characteristics	Para.	Classification <sup>1)</sup>	Documented evidence of conformity	Test lab
Initiation device, opening mechanism	4.1 4.2	Thermal-pneumatic Thermal-electric Optical-electric	EN12259-1	0432
Operational Reliability	7.1	Re 1000 (type B) with dual function	1368-CPD-P-134/2011-C 1368-CPD-P-135/2011-C 1368-CPD-P-136/2011-C 1368-CPD-P-137/2011-C	1368
Reliability wind load	7.4	WL 1500	1368-CPD-P-138/2011-F 1368-CPD-P-139/2011-F 1368-CPD-P-140/2011-F 1368-CPD-P-141/2011-F	1368
Effectiveness of smoke/hot gas extraction; Aerodynamic free area	6	A <sub>a</sub> - values	1368-CPD-P-095/2011-B 1368-CPD-P-096/2011-B 1368-CPD-P-097/2011-B	1368
Performance parameters under fire conditions, fire resistance - mechanical stability	7.5	B300 30	addition no. 210006001 to classification report no. 210003446-WB-KB	0432
Ability to open under environmental conditions	7.2	SL 250 SL 1000	210006001-NT-KB	0432
	7.3	T(-15)	210006001-NT-KB	0432
Reaction to fire	7.5.2.1	E	addition no. 210006001 to classification report no. 210003446-WB-KB	0432

<sup>1)</sup> The A<sub>a</sub> values are to be taken from the stated documented evidence of conformity. A<sub>a</sub> values and classifications only apply to the dimensions, configurations and installation positions of the NSHEV described in the associated documented evidence of conformity.

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Dortmund, 2013-04-22



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