

EC CERTIFICATE OF CONFORMITY

0432-CPD-210005850

In compliance with 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 Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it is hereby confirmed that the construction product

Duo-Therma

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

marketed by

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

and produced at the manufacturing plant

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

is submitted to a factory production control by the manufacturer and that the notified body MPA NRW (NB 0432) has performed an initial inspection of the relevant features of the product, an initial inspection of the factory and factory production control and performs continuous surveillance, assessment and approval of the factory production control.

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


EN 12101-2: 2003

were applied and that the product complies with all requirements prescribed therein.

This Certificate was first issued on 09.11.2010 and supersedes Certificate no. 0432 - BPR - 210003449 dated 29.08.2006. It shall be valid as long as the conditions laid down in the mentioned harmonised technical specification or the manufacturing conditions at the factory or factory production control itself are not modified significantly.

Dortmund, 09.11.2010




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RBOAR Udo Vogler, Graduate Engineer
p.p. Head of the Certifying Body

The original of this document was issued in German. In cases of doubt the German wording shall be authoritative.

Annex to EC Certificate of Conformity

No.: 0432-CPD-210005850

dated 09.11.2010

EC Certificate of Conformity no. 0432-CPD-210005850 applies to Natural Smoke and Heat Exhaust Ventilators (NSHEV) from

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

with the product designations

Duo-Therma

and the following essential characteristics:

Essential characteristics	Para.	Classification ¹⁾	Documented evidence of conformity	Inspection body
Release element, opening mechanism	4.1 4.2	Thermal-pneumatic Thermal-electric Optical-electric	EN12259-1	0432
Functional safety	7.1	Re 50 (type B) Re 1000 (type B)	1368-CPD-P-162/2006-C 1368-CPD-P-166/2006-C	1368
Functional safety, wind load	7.4	WL 1584	1368-CPD-P-165/2006-F 1368-CPD-P-168/2006-F	1368
Effectivity of the smoke and heat abstraction, aerodynamically effective opening surface	6	A _a -Werte	1368-CDP-P-127/2006-B to 1368-CDP-P-135/2006-B	1368
Performance in fire conditions, fire resistance - mechanical integrity	7.5	B30030	210003449-WB-KB	0432
Opening under environmental conditions	7.2	SL 500 SL 250 SL 125 SL 0	1368-CPD-P-163/2006-D with supplement 1368-CPD-P-167/2006-D with supplement 1368-CPD-P-183/2006-D with supplement 1368-CPD-P-186/2006-D with supplement	1368
	7.3	T(00)	not required	---
Fire behaviour of construction materials	7.5.2.1	E	210003449-WB-KB	0432

¹⁾ The A_a values are to be taken from the stated documented evidence of conformity. A_a 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 09.11.2010) is only valid in connection with the aforementioned EC Certificate of Conformity.

Dortmund, 09.11.2010



Udo Vogler

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RBOAR Udo Vogler, Graduate Engineer
p.p. Head of the Certifying Body

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