

EC Certificate of Conformity 0432-CPD-210005850

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

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]

placed on the market by

**Brakel Aluminium b.v.
Linie 48
NL - 5405 AN UDEN**

and produced in the factory(ies)

**Brakel Aluminium b.v.
Linie 48
NL - 5405 AN 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 2012-11-30 and supersedes certificate no. 0432-CPD-210005850 dated 2012-07-17. 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, 2012-11-30




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

Annex to EC Certificate of Conformity

No.: 0432-CPD-210005850

dated 2012-11-11

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

Series: Duo-Therma


with 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 300 (type B) with dual function Re 1000 (type B) with dual function | 1368-CPD-P-104/2011-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 - values | 1368-CPD-P-127/2006-B + 1368-CPD-P-135/2006-B | 1368 |
| Performance in fire conditions, fire resistance - mechanical integrity | 7.5 | B ₃₀₀ 30 | 210003449-WB-KB 210005940-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 210005940-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 2012-11-30) is only valid in connection with the aforementioned EC Certificate of Conformity.

Dortmund, 2012-11-30


 Tanja Friedrich, Dipl.-Ing.
 Head of Certification 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 2012-11-30

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

Series: Duo-Therma

with the product designations

Duo-Therma-TG-44 dB-Ac und Duo-Therma-TG-55+6 PC

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 | EN12259-1 | 0432 |
| Functional safety | 7.1 | Re 300 (type B) with dual function | 1368-CPD-P-104/2011-C | 1368 |
| Functional safety, wind load | 7.4 | WL 1584 | 1368-CPD-P-165/2006-F | 1368 |
| Effectivity of the smoke and heat abstraction, aerodynamically effective opening surface | 6 | A _a - values | 1368-CDP-P-127/2006-B + 1368-CDP-P-135/2006-B | 1368 |
| Performance in fire conditions, fire resistance - mechanical integrity | 7.5 | B ₃₀₀ 30 | 210005940-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-186/2006-D with supplement | 1368 |
| | 7.3 | T(00) | not required | --- |
| Fire behaviour of construction materials | 7.5.2.1 | E | 210005940-WB-KB | 0432 |

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dated 2012-11-30

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****Series: Duo-Therma**

with the product designations

DUO-Therma-PB FS

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 | EN12259-1 | 0432 |
| Functional safety | 7.1 | Re 1000 (type B) with dual function | 1368-CPD-P-185/2006-C | 1368 |
| Functional safety, wind load | 7.4 | WL 1500 | 1368-CPD-P-187/2006-F | 1368 |
| Effectivity of the smoke and heat abstraction, aerodynamically effective opening surface | 6 | A _a - values | 1368-CDP-P-127/2006-B + 1368-CDP-P-135/2006-B | 1368 |
| Performance in fire conditions, fire resistance - mechanical integrity | 7.5 | B ₃₀₀ 30 | 210003449-WB-KB 210005430-WB-KB | 0432 |
| Opening under environmental conditions | 7.2 | SL 500 SL 250 SL 125 SL 0 | 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 210005430-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.

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