



Declaration of performance VENTRIA

Declaration of performance NO. 0432-CPR-2013/VEN

Product: Ventria O, Ventria G, Ventria TG

Type: L 300 through 3000 mm, W 300 through 3600 mm (dep. on calculation program)

Natural smoke and heat exhaust ventilators (NSHEV) intended to be installed in smoke and heat control systems in buildings

Manufacturer: Brakel Aluminium b.v.
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System: **System 1**

Notified factory production control certification body No. 0432 MPA, Germany performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

MPA has distributed the following reports:

Definition	Reportnr
Certificate Ventria	0432-CPD-210006001
Classification report	210003446-WB-KB
	210003446-WB-KB ext.
Heat exposure B300	210003446-WB
	2100060001-WB
Aerodynamic (B)	1368-CPD-P-095/2011-B
	1368-CPD-P-096/2011-B
	1368-CPD-P-097/2011-B
	1368-CPD-P-157/2006-B
	1368-CPD-P-158/2006-B
	1368-CPD-P-159/2006-B
Reliability (C)	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-CPD-P-218/2009-C
	1368-CPD-P-219/2009-C
	1368-CPD-P-169/2006-C
	1368-CPD-P-173/2006-C
	1368-CPD-P-176/2006-C

Definition	Reportnr
Snowload (D)	210006001-NT
	210006001-NT
	210006001-NT
	210006001-NT
	1368-CPD-P-170/2006-D
	1368-CPD-P-174/2006-D
	1368-CPD-P-177/2006-D
Temperature (T00) (E)	1368-CPD-P-160/2006-E
	1368-CPD-P-171/2006-E
Temperature (T-15) (E)	210006001-NT-KB
Windload (F)	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-CPD-P-172/2006-F
	1368-CPD-P-175/2006-F
	1368-CPD-P-178/2006-F

Definition	Reportnr
Factory control (FPC)	Nr. 210004357-2012



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Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Nominal activation conditions/ sensitivity, as: -Initiation device -Opening mechanism -Inputs and outputs	Pass Pass Pass	EN 12101-2: 2003
Response delay (response time), as: -Reliability -Opening under (snow, wind) load -Low ambient temperature -Fire performance	≤ 60 s	
Operational reliability, as: -Reliability	Re 300 DP* (P2B,M) Re 1000 DP* (P2BFS)	
Effectiveness of smoke/hot gas extraction, as: -Aerodynamic free area	See reports 1368-CPD-P-095-2011-B 1368-CPD-P-096-2011-B 1368-CPD-P-097-2011-B 1368-CPD-P-157-2006-B 1368-CPD-P-158-2006-B 1368-CPD-P-159-2006-B	
Performance parameters under fire conditions, as: -Resistance to heat -Mechanical stability -Reaction to fire	B30030 Pass E	
Ability to open under environmental conditions, as: -Opening under load -Low ambient temperature -Stability under wind load -Resistance to wind-induced vibration (where included)	SL 1000 P2B SL 682 M (≤ 3,5 m ²) SL 250 M (> 3,5 ≤6,12 m ²) SL 500 P2BFS T(-15) WL 1500 Pass	
Durability	Pass	

DP* = Natural ventilation and Fire ventilation (10.000x + 1000x or 300x)

De performance of the Ventria is in conformity with the declared performance here above.

This declaration of performance is issued under the sole responsibility of Brakel Aluminium and contains 2 pages:

Signed for and on behalf of Brakel Aluminium by:

M. Homminga, managing director Brakel Aluminium b.v.

Uden, 11-6-2013

