



Declaration of performance EURA / EURA-R

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

Product: EURA / EURA-R
Type: 30-3 through 240-17

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 Eura-(R)	0432-CPD-210005849
	0432-CPD-210003448
	0432-CPD-210005849
Classification report	0432-CPD-210005849
	210005429-WB-KB
	210003448-WB-KB
	210003448-WB-KB
Heat exposure B300	210005690-WB-KB
	210005431-WB
	210005429-WB
	210003448-WB
Aerodynamic (B)	210005690-WB
	1368-CPD-P-147-2009-B
	1368-CPT-P-107-2013-B
	1368-CPD-P-080-2007-B
	49-2006
	1368-CPD-P-77-2006-B
	045-2005
	1368-CPD-P-096-2007-B
	1368-CPD-P-095-2007-B
	1368-CPD-P-094-2007-B
Reliability (C)	1368-CPD-P-236-2010-C
	1368-CPD-P-148-2009-C
	1368-CPD-P-217-2010-C
	1368-CPD-P-223-2009-C
	499-2005
	496-2005
	493-2005
	490-2005
	487-2005
	502-2005
Reaction to fire	2013-Efectis-R0244a+b+c
	2013-Efectis-R0244d+e+f
EN 13501-1	230005240

Definition	Reportnr
Snowload (D)	1368-CPD-P-237-2010-D
	1368-CPD-P-220-2009-D
	1368-CPD-P-218-2010-D
	1368-CPD-P-224-2009-D
	1368-CPD-P-155-2009-D (du)
	1368-CPD-T-221-2008-D (eng)
	488-2005
	491-2005
	494-2005
	497-2005
	500-2005
	503-2005
	SL + T (D+E)
2011-Efectis-R0734	
2011-Efectis-R0734	
2011-Efectis-R0323	
2011-Efectis-R0323	
2011-Efectis-R0323	
2011-Efectis-R0323	
2011-Efectis-R0323	
2011-Efectis-R0323	
2011-Efectis-R0323	
Windload (F)	IBS 11091501
	IBS 11091501
	1368-CPD-P-238-2010-F
	1368-CPD-P-221-2009-F
	1368-CPD-P-219-2010-F
	1368-CPD-P-225-2009-F
	501-2005
498-2005	
495-2005	
492-2005	
489-2005	
504-2005	

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 1000 DP* Re 300 DP* (PBM)	
Effectiveness of smoke/hot gas extraction, as: -Aerodynamic free area	See reports 1368-CPR-P-107-2013-B 1368-CPD-P-147-2009-B 1368-CPD-P-080-2007-B 1368-CPD-P-77-2006-B 1368-CPD-P-094-2007-B 1368-CPD-P-095-2007-B 1368-CPD-P-096-2007-B 045-2006 49-2006	
Performance parameters under fire conditions, as: -Resistance to heat -Mechanical stability -Reaction to fire	B30030 Pass (Un)isolated louver: B-s1,d0 Isolux 8mm louver: C-s2,d2 Isolux 16mm, glass louver: 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 750 PBM / PB / PB10bar SL 650 M SL ≤ 2000 P2B T(-15) WL 1500 Pass	
Durability	Pass	

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

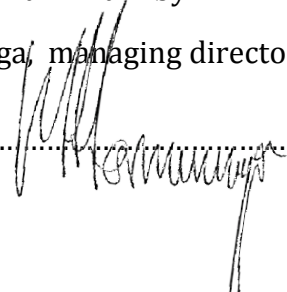
De performance of the Eura / Eura-R 30-3 through 240-17 is in conformity with the declared performance here above.

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, 25-4-2013

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