

Certificate of constancy of performance

0336 – CPR – 89213601 - E

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Smoke and heat control systems with intended use fire safety, to be installed as a active smoke-barrier (ASB 1 - ASB 3)

Specified by the commercial name(s)
SMOKESCREEN

placed on the market under the name or trade mark
SOUCHIER-BOULLET S.A.S,
11 rue des Campanules - CS 30066, 77436 MARNE LA VALLEE Cedex 2, France

and produced in the manufacturing plant(s)
SOUCHIER-BOULLET S.A.S,
11 rue du 47ème Régiment d'Artillerie, 70400 HERICOURT, France

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of standard(s)

EN 12101-1:2005 + A1 :2006

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product

This certificate was first issued on 31st July 2018, and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the notified product certification body.

TÜV Rheinland Nederland BV
Westervoortsedijk 73, gebouw SB
NL – 6827 AV Arnhem
The Netherlands



H. van Ginkel, LSM

Arnhem, 31st July 2018

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Annex 1
Smoke and heat control systems

Commercial name :
SMOKESCREEN

Field of Application :

Installation	L = Overall width H = Overall height	
	$1.085 \leq L \leq \text{unlimited mm} ; 521 \leq H \leq 9.448 \text{ mm}$	
Area of the gaps Ag	<i>Gaps</i>	<i>Area</i>
	$46,5 \text{ mm} \leq \text{Header box gap (a)} \leq 261 \text{ mm}$	$Ag = W \times \sum(a \rightarrow f) + D \times \sum g$ With : - W = curtain's width - D = curtain's drop
	$45 \text{ mm} \leq \text{Header box gap (b)} \leq 261 \text{ mm}$	
	$65,5 \text{ mm} \leq \text{Header box gap (c)} \leq 281,5 \text{ mm}$	
	$65 \text{ mm} \leq \text{Header box gap (d)} \leq 281,5 \text{ mm}$	
	$26,5 \text{ mm} \leq \text{Header box gap (e)} \leq 38 \text{ mm}$	
	$26 \text{ mm} \leq \text{Header box gap (f)} \leq 37 \text{ mm}$	
	$0 \text{ mm} \leq \text{Edge gap (g)} \leq 20 \text{ mm}$	

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Related Notified Bodies :

0336 : TÜV Rheinland Nederland B.V.
1812 : EFECTIS France

Active Smoke Barriers only	Declared Value	
Annex B Reliability and durability of product	PASS	
Annex B Default operation to fire operation position	NPD	
Annex B Response time and performance	PASS	
Annex C Permeability to smoke	≤ 8,7 m ³ /h.m ²	
Annex D Temperature/time classification	DH 30	
Annex E (informative) Deflection of smoke barrier	Curtains not reaching the floor: $d_c = 1,2 \frac{\rho_0 g_1 D_r^3}{3T_1 (2M_b + M_c L_c)}$	Curtains opening and closing: $d_c = 1,2 \frac{\rho_0 g_1 \left((3D_{1b} - 2d_0) d_c^2 \right)}{3T_1 2M + M^c L}$

- end of certificate -

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