

**NELISSEN**

Declaration of performance



Number	NEHVB009K050WN_2_EN_24159		CE 06	UK CA 22
Product type / CE	SHADOW (NEL)			
Intended use or uses of the construction product	Units for use in unprotected masonry walls, columns and partitions.			
Manufacturer	Nelissen Steenfabrieken NV Kiezelweg 460 B-3620 Lanaken		Tel: +32 (0)12 44 02 44 Fax: +32 (0)12 45 53 89 info@nelissen.be	
System or systems of assessment and verification of constancy of performance of the construction product	2+			
	EU	CE	UK	UKCA
Notified body	BCCA NB 0749		BBA N° 0836	
Harmonized standard	EN 771-1:2011 +A1:2015		BS EN 771-1 2011+A1:2015	

Notified Body performed under system 2+ the initial inspection of the manufacturing plant and of the factory production control, performed the continuous surveillance, assessment and evaluation of the factory production control and issued the certificate of conformity of the factory production control.

Declared performance*For available sizes refer to the product sheet and / or website.*

Dimensions	MOD 50	MOD 65	N70/4	N70/5	N70/6,5	N70/7	NNF	RF 4	WV 50	WV 65	
Length (mm)	188	188	240	240	239	235	241	208	209	213	
Width (mm)	88	88	71	71	70	70	108	100	100	101	
Height (mm)	51	64	40	50	67	70	72	40	51	65	
Compressive strength. (N/mm ²)	cat. I, \perp	22	25	15	24	27	27	27	22	25	
Mean compressive strength (N/mm ²)		30	30	20	30	30	30	30	30	30	30
Tolerance category									T2		
Range category									R1		
Flatness of bed faces									NPD		
Plane parallelism of bed faces									NPD		
Gross dry density									1630(D1)	Kg/m ³	
Net dry density									NPD	Kg/m ³	
Configuration									1		
Bond strength									NPD	N/mm ²	
Thermal conductivity ($\lambda_{10,dry,mat(90,90)}$)									0,59 (S2)	W/mK	
Thermal conductivity ($\lambda_{10,dry,mat}$ EN1745 Annex A)									0,55 (S1)	W/mK	
Water vapour permeability									5/10		
Freeze/Thaw resistance									F2		
Water absorption									14	%	
Initial water absorption									1,5 < IW <= 4	Kg/(m ² .min)	
Active soluble salts									S2		
Dimensional stability: moisture expansion									NPD	Mm/m	
Reaction to fire									A1		
Dangerous substances									NPD		

The performance of the product described above is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) no. 305/2011 under the sole responsibility of the manufacturer mentioned above.

Signed for and on behalf of the manufacturer by

Burt Nelissen (General Management)

Lanaken (B)

07.06.2024