





Declaration of performance										
Number 151 Nelissen facing bricks										
(1) Unique identification code of the product-type: HELENA	(6) System or systems of assessment and verification of constancy of performance of the construction product: 2+	(4) Manufacturer Nelissen facing bricks Kiezelweg 460 B-3620 Lanaken Tel: +32 (0)12 44 02 44 Fax: +32 (0)12 45 53 89		NB 0749 EN 771-1 2011 +A1:2015				 06 		
(2) Type number: 3	(7) Notified body: Notified Body BCCA N° NB 0749 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.	www.nelissen.be								
(3) Intended use or uses of the construction product: Units for use in unprotected masonry walls, columns and partitions.										
(9) Declared performance: <i>For available sizes refer to the product sheet and / or website.</i>										
Dimensions		M50	M65	RF	WV50	WV65	N70/4	N70/5	NNF	Dubio
Length (mm)		190	190	210	210	215	240	240	243	240
Width (mm)		90	90	100	100	102	72	72	109	72
Height (mm)		51	64	40	49	65	40	50	73	70
Normalised compressive strength. (N/mm ²)	Cat. I , <input type="checkbox"/>	22	25	22	22	25	15	24	26	26
Mean compressive strength (N/mm ²)		30	30	30	30	30	30	20	30	30
Tolerance category		T2								
Range category		R1								
Flatness of bed faces		NPD								
Plane parallelism of bed faces		NPD								
Gross dry density		1400(D2)							Kg/mm ³	
Net dry density		NPD							Kg/mm ³	
Configuration		1								
Bond strength		NPD							N/mm ²	
Thermal conductivity (λ _{10,dry,mat(90,90)})		0,49 (S2)					W/mK			
Thermal conductivity (λ _{10,dry,mat}) EN1745 Annex A		0,45 (S1)					W/mK			
Water vapour permeability		5/10								
Durability against freeze thaw		F2								
Water absorption		16							%	
Initial water absorption		1,5<IW<=4 (IW Klasse 3)							Kg/(m ² .min)	
Active soluble salts		S2								
Dimensional stability: moisture expansion		NPD							Mm/m	
Reaction to fire		A1								
Dangerous substances		NPD								
(10) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4:										
Signed for and on behalf of the manufacturer by:										
Burt Nelissen (General Management)										
										
Lanaken (B) 19.02.2020										