




## Declaration of performance

Number	NEHVB009K050W_2_EN_20353	
Product type / CE	SHADOW	
Intended use or uses of the construction product	Units for use in unprotected masonry walls, columns and partitions.	
Manufacturer	Nelissen Steenfabrieken NV Kieselweg 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+	
Notified body	BCCA NB 0749	
Harmonized standard	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	M50	M65	N70/4	N70/5	N70/7	NNF	RF	WV50	WV65	
Length (mm)	<b>188</b>	<b>188</b>	<b>239</b>	<b>239</b>	<b>240</b>	<b>241</b>	<b>208</b>	<b>209</b>	<b>213</b>	
Width (mm)	<b>88</b>	<b>88</b>	<b>72</b>	<b>72</b>	<b>70</b>	<b>108</b>	<b>100</b>	<b>100</b>	<b>101</b>	
Height (mm)	<b>51</b>	<b>64</b>	<b>40</b>	<b>50</b>	<b>70</b>	<b>73</b>	<b>40</b>	<b>49</b>	<b>65</b>	
Compressive strength. (N/mm <sup>2</sup> )	<b>Cat. I , □</b>		<b>22</b>	<b>25</b>	<b>15</b>	<b>24</b>	<b>26</b>	<b>26</b>	<b>22</b>	<b>25</b>
Mean compressive strength (N/mm <sup>2</sup> )			<b>30</b>	<b>30</b>	<b>20</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
Tolerance category	T2									
Range category	R1									
Flatness of bed faces	NPD									
Plane parallelism of bed faces	NPD									
Gross dry density	1600(D2)							Kg/m <sup>3</sup>		
Net dry density	NPD							Kg/m <sup>3</sup>		
Configuration	1									
Bond strength	NPD							N/mm <sup>2</sup>		
Thermal conductivity (λ <sub>10,dry,mat(90,90)</sub> )	0,59 (S2)						W/mK			
Thermal conductivity (λ <sub>10,dry,mat</sub> ) EN1745 Annex A	0,55 (S1)						W/mK			
Water vapour permeability	5/10									
Freeze/Thaw resistance	F2									
Water absorption	13							%		
Initial water absorption	1,5<IW<=4							Kg/(m <sup>2</sup> .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)

18.12.2020