



Declaration of Performance

Nr. 0102\_Vidiwall\_18\_2018-09-17

- 1. Unique identification code of the product-type:  
Knauf Vidiwall 18 mm – ETA-07/0086
- 2. Intended use or uses:  
Gypsum fibre boards for planking and lining of building components
- 3. Manufacturer:  
Knauf Bulgaria EOOD, 27 Angelov vrah Str.,1618 Sofia, Bulgaria  
Tel.: +359 2 9178910, Fax: +359 2 850 21 94, http://www.knauf.bg
- 4. Authorised representative:  
Not relevant
- 5. System/s of AVCP:  
System 3
- 6. European Technical Assessment: ETA-07/0086 (23.03.2018)  
Technical Assessment Body: Deutsches Institut für Bautechnik DIBt member of EOTA
- 7. Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification
Characteristic strength values		
Bending ( $f_{m,k}$ )	4,5 N/mm <sup>2</sup>	ETA-07/0086:2013
Shear ( $f_{v,k}$ )	1,4 N/mm <sup>2</sup>	ETA-07/0086:2013
In plane of the board		
Tension ( $f_{t,k}$ )	2,3 N/mm <sup>2</sup>	ETA-07/0086:2013
Compression ( $f_{c,k}$ )	7,5 N/mm <sup>2</sup>	ETA-07/0086:2013
Shear ( $f_{v,k}$ )	3,5 N/mm <sup>2</sup>	ETA-07/0086:2013
Stiffness values perpendicular to the plane of the board		
Modulus of elasticity ( $E_{m,mean}$ )	3900 N/mm <sup>2</sup>	ETA-07/0086:2013
Shear modulus ( $G_{mean}$ )	1300 N/mm <sup>2</sup>	ETA-07/0086:2013
Stiffness values in plane of the board		
Modulus of elasticity Bending, Tension, Compression ( $E_{m,t,c,mean}$ )	3900 N/mm <sup>2</sup>	ETA-07/0086:2013
Shear modulus ( $G_{mean}$ )	1750 N/mm <sup>2</sup>	ETA-07/0086:2013
Reaction to fire - R2F	A2-s1, d0 (EN 13501-1)	ETA-07/0086:2013
Water vapour diffusion resistance - $\mu$	21 (EN ISO 10456)	ETA-07/0086:2013
Thermal conductivity - $\lambda$	$\leq 0,30$ W/(m·K) (EN ISO 10456)	ETA-07/0086:2013
Impact resistance - IR	$\geq 11$ mm/mm (EN 1128)	ETA-07/0086:2013
Sound insulation	Not relevant	ETA-07/0086:2013
Moisture content	0,9-1,3% (in 20°C/65 %) (EN 322)	ETA-07/0086:2013
Swelling and shrinkage in plane of the board	$\leq 0,30$ mm/m (with a change in the relative air moisture by 30%)	ETA-07/0086:2013
Density - $\rho$	1000 – 1250 kg/m <sup>3</sup>	ETA-07/0086:2013

- 8. Appropriate Technical Documentation and/or Specific Technical Documentation: **Not relevant**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No.305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Todor Delovski  
(General Manager)



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