



Declaration of Performance according to Construction Products Directive EU No. 305/2011 Annex III

Nr. HHDE 6 4.0 575

- 1 Producttype
H+H Vægelementet 4,5 - 600
- 2 Article number: see packaging of the product
- 3 Intended use
AAC Wall Element with non-structural reinforcement
according to EN 12602:2016
- 4 Manufacturer
H+H Deutschland GmbH, Industriestrasse 3, 23829 Wittenborn
- 6 System of assessment and verification of constancy of performance
System 2+
- 7 harmonized standard:
EN 12602:2016-12
- Notified body
Dancert, Gregersensvej, P.O.Box 141, DK 2630 Taastrup, reference no. 1073

9 Declared performance

Essential characteristics	Performance	Harmonised technical specification
Dimensions		
Lengths	≤ 3520 mm	
Widths	200 - 600 mm	
Height	75, 100, 125, 150, 200 mm	
Tolerances	Category T3 Flatness of bed faces ≤ 1,0 mm Plane parallelism ≤ 1,0 mm	EN 12602:2016-12
Configuration	unprofiled	EN 1996-1-1:2005+A1:2012
Flexural strength	1,1 N/mm ²	EN 12602:2016-12
Compressive strength (cube 100 x 100 x 100 mm ⊥ bedface)	≥ 4,50 N/mm ² (characteristic)	EN 771-4:2011+A1:2015
E-module E _{cm}	≥ 2000 N/mm ² (calculated value)	EN 12602:2016-12
ultimate tensile strength and yield strength of steel	NPD	EN 12602:2016-12
Dimension stability (shrinkage)	ε _{cs, ref.} ≤ 0,2 mm/m	EN 680:2005
Initial shear bond strength f _{vk0}	0,4 N/mm ² (tested value)	EN 998-2:2017-02
Reaction to fire	A1	EN 13501-1:2007+A1:2009
Water absorption	NPD	
water vapour diffusion coefficient	5-10	EN 1745:2012
Freeze-thaw resistance	NPD	EN 15304:2010
Mechanical Resistance	NPD	
mean gross dry density	575 kg/m ³ ± 25	EN 12602:2016-12
Thermal conductivity λ _{10,tr(50%)}	0,155 W/mK	EN 1745:2012

- 10 The performance of the product referring to no. 1 and 2 corresponds to the declared performance at no. 9.
This declaration of performance was issued under the sole responsibility of the manufacturer specified in no. 4.

Signed on behalf of the producer:
Heinz-Jakob Holland, Managing Director

Wittenborn, 14.12.2017