

Declaration of Performance

Nr. **CIRPB-5081791005-1**

1. Unique identification code of the product type:
DIN V 4165-100 PP6-0,65-499x300x249

2. Type number:

3. Intended Use:
AAC masonry units category I for loadbearing and non-loadbearing masonry walls, columns and partitions.

4. Name and contact address of the manufacturer:
Cirkel GmbH & Co. KG, Flaesheimer Straße 605, 45721 Haltern am See

5. AVCP system :
2+

6. The notified body
**Qualitätsgemeinschaft Mauerwerksprodukte e.V.
(Number of NB 0839)
has performed initial inspection of the manufacturing plant and of the factory production control,
performs a continuous surveillance, assessment and evaluation of the factory production control.**

7. Declared performance:

Essential Characteristics		Performance	Harmonised technical specification
Dimensions	length	499 mm	EN 771-4:2011
	width	300 mm	
	height	249 mm	
Tolerance category	category	TLMB	
	flatness	≤ 1,0mm	
	plane parallelism	≤ 1,0mm	
Shape and configuration	group according to EN 1996-1-1:2005+AC:2009, table 3.1	1	
	max. percentage of grip holes and voids relating to the bedface	≤ 5 %	
Compressive strength	mean compressive strength	≥ 7,04 N/mm ²	
	normalised compressive strength	≥ 8,08 N/mm ²	
	category	I	
	test direction	perpendicular to bedface	
	specimen	whole unit	
Dimensional stability	shrinkage	≤ 0,2 mm/m	
Characteristic initial shear strength	with thin layer mortar	0,30 N/mm ²	
Reaction to Fire		Euroklasse A1	
Water absorption		use in protected environment	
Water vapour permeability		5/10	
Thermal conductivity	λ _{10,dry,unit} (90/90) to EN 1745	0,174 W/(m·K)	
mean gross dry density	min	> 600 kg/m ³	
	max	≤ 650 kg/m ³	
Single value of gross dry density	min	NPD	
	max	NPD	

8. The performance of the product referring to in point 1 and 2 correspond to the declared performance at paragraph 7. This declaration of performance was issued under the sole responsibility of the manufactures specified in paragraph 4.

Signed on behalf of the manufacturer by:



Haltern am See, 01.07.2013

Jan Friedrich Cirkel (Managing Director)