

# DECLARATION OF PERFORMANCE



## fermacell® Powerpanel H2O

Nr. FC-0002

1. unique identification code of the product type
2. purpose of use
3. manufacturer
5. system(s) for assessment and verification of constancy of performance
6. European Assessment Document  
European technical evaluation  
Technical assessment body  
Notified body(ies)
7. Declared performance

FC-0002

**Cement-bonded reinforced lightweight concrete slabs for use as construction slabs for non-load-bearing internal partition walls, for walls and ceilings in interior and exterior areas, and as dry subfloors.**

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**System 3 (reaction to fire)  
System 4**

**EAD 210024-00-0504  
ETA 07/0087  
Deutsches Institut für Bautechnik, Berlin  
MPA Braunschweig (0761-CPR)  
WKI Fraunhofer- Institut (0765)**

SWR2

Essential feature	Performance
Reaction to fire	A1

SWR3

Essential feature	Performance
Water vapour diffusion resistance	$\mu=13$

SWR4

Essential feature	Performance
Thermal conductivity	$\lambda \leq 0,32 \text{ W/mK}$
Air permeability	pass

SWR5

Essential feature	Performance
Intrados strength Head pull- through resistance	See ETA 07/0087

SWR4

Essential feature	Performance
Thickness	12,5 mm $\pm$ 1,25mm
Length	$\leq 3010 \text{ mm} \pm 5 \text{ mm}$
Width	$\leq 1250 \pm 5 \text{ mm}$
Straightness of the edges	Niveau I = 0,1%
Perpendicularity	Niveau I = 2mm/m
Bulk density	1000 $\pm$ 100kg/m <sup>3</sup>
Moisture content	$\leq 5\%$
Water impermeability	pass
Dimensional stability	+/- 0,15mm/m
Flexural strength	$\geq 6 \text{ N/mm}^2$
Compressive strength	$\approx 11,7 \text{ N/mm}^2$ 11,9 mm/mm board thickness
Impact strength	$\approx 8,5 \text{ M.-%}$
Water absorption	$\approx 8,5 \text{ M.-%}$
Duarbility	Category A

The performance of the above product corresponds to the declared performance(s). The manufacturer mentioned above is solely responsible for the preparation of the declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for the manufacturer and on behalf of the manufacturer of:

Düsseldorf, 01.01.2019

Dr. Jörg Brinkmann (CEO)

