

DECLARATION OF PERFORMANCE



UK

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.

**James Hardie Europe GmbH
Bennigsen- Platz 1
D-40474 Düsseldorf
Tel. +49 800 3864001
E-Mail fermacell@jameshardie.de**

**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)**

BWR2

| Essential feature | Performance |
|-------------------|-------------|
| Reaction to fire | A1 |

BWR3

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

BWR6

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

BWR4

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

BWR4

| 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 ³ |
| Moisture content | $\leq 5\%$ |
| Water impermeability | pass |
| Dimensional stability | +/- 0,15mm/m |
| Flexural strength | $\geq 6 \text{ N/mm}^2$ |
| Compressive strength | $\approx 11,7 \text{ N/mm}^2$ |
| Impact strength | 11,9 mm/mm board thickness |
| 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)

