

# DECLARATION OF PERFORMANCE



## fermacell® Powerpanel HD

Nr. FC-0006

1. unique identification code of the product type

**FC-0006**

2. purpose of use

**Cement-bonded board for non-load-bearing applications, e.g. interior cladding, for load-bearing applications for planking and cladding walls and as bracing planking for timber frame construction**

3. manufacturer

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

5. system(s) for assessment and verification of constancy of performance

**System 3**

6. European Assessment Document  
European technical evaluation  
Technical assessment body  
Notified body(ies)

**EAD 210024-00-0504  
ETA- 13/0609  
Deutsches Institut für Bautechnik, Berlin  
WKI Fraunhofer- Institut (0765)**

7. Declared performance

BWR1

| Essential feature         | Performance                |
|---------------------------|----------------------------|
| Thickness                 | 15mm ± 1,5mm               |
| Length                    | ≤ 3000mm ± 5mm             |
| Width                     | ≤ 1250 ± 3,75mm            |
| Straightness of the edges | Niveau I = 0,1%            |
| Perpendicularity          | Niveau I = 2mm/m           |
| Bulk density              | 950 ± 100kg/m <sup>3</sup> |
| Moisture content          | ≤ 5%                       |
| Flexural strength         | ≥ 2,1N/mm <sup>2</sup>     |
| Impact strength           | 12,5 mm/mm board thickness |
| Water absorption          | ≤ 25%                      |
| Durability                | Category A                 |

BWR2

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

BWR3

| Essential feature                 | Performance                  |
|-----------------------------------|------------------------------|
| Water vapour diffusion resistance | μ=0,32 (wet)<br>μ=0,37 (dry) |

BWR6

| Essential feature    | Performance |
|----------------------|-------------|
| Thermal conductivity | λ≤0,29W/mK  |
| Air permeability     | pass        |

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, 01.01.2020

Dr. Jörg Brinkmann (CEO)

