Designated according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2020

UK Technical Assessment	UKTA-0836-22/0015 of 17/08/2022
Technical Assessment Body issuing the UK Technical Assessment:	British Board of Agrément
Trade name of the construction product:	Fibo Bathroom Wall Panels
Product family to which the construction product belongs:	Watertight Covering Kits for Wet Room floors and / or walls. Kits based on inherently watertight boards
Manufacturer:	Fibo AS Industriveien 2 NO-4580 Lyngdal Norway
Manufacturing plant(s):	Fibo AS Industriveien 2 NO-4580 Lyngdal Norway
This UK Technical Assessment contains:	8 pages including 1 Annex which form an integral part of this assessment
This UK Technical Assessment is issued in accordance with The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 on the basis of:	UKAD 030437-00-0503, Watertight Covering Kits for Wet Room floors and or walls.

1. Technical description of the product

Fibo Bathroom Wall Panel is a watertight lining system based on plywood panels coated with high-pressure laminate on the front side and a transverse laminate on the rear side. The panels are manufactured from plywood in accordance with EN 13986 and consist of seven laminate sheets , glued with waterproof adhesive. The front of the panels is covered with a 0.85 mm high-pressure laminate, and the reverse side is covered with a 0.73 mm thick transverse laminate.

Standard dimensions of the panel are 2400 mm length and 600 mm width. The panel thickness is 10.2 mm. The density is 790 kgm^{-3}. Tolerances are shown in Table 1.

The long sides of the panel are profiled as shown in Figure 1, with an integrated locking profile Aqualock. The short ends have inclined edges.

The bathroom panel system consists of plywood panels, installation profiles manufactured from extruded aluminium or PVC and sealing compound (see Figure 2).

Table 1: Tolerances for production of Fibo Bathroom Panel

Property	Requirement	Test method
Length (mm)	± 1.0	
Width (mm)	± 0.5	EN 324-1
Thickness (mm)	± 0.4	
Squareness (mm)	≤ 1.0	Diagonal deviation
Edge straightness (mm)	Max 0.8	EN 324-2
Lipping tongue/groove (mm)	≤ 0,.	-

Table 2: Sealants for use with Fibo Bathroom Panel

Wet area sealant	Aluminium profiles	PVC-profiles
Fibo Seal	x	x
Soudaseal 215 LM	x	x
Optiform Baderomsplate Montasje	x	x
Casco AquaSeal	x	x
CT1	x	x

2. Specification of the intended use(s) in accordance with the applicable UK Assessment Document (hereinafter UKAD)

Fibo Bathroom Panel is used on walls in sanitary rooms as a waterproof lining. The panels can be fixed directly to the wall frames or battens, including walls below ground level. When used on walls constructed from bricks or concrete, battens are required.

The panels are to be used in indoor applications, where the kit is not exposed to substrate temperatures of below 5ºC or above 40ºC, in the following situations:

- Wall surfaces with only occasional direct exposure to water, e.g. at a good distance from shower or bathtub.
- Walls in shower areas or around bathtubs used for a few showers daily, e.g. in ordinary dwellings, multi-family houses and hotels
- Wall surfaces with exposure to water more frequent or of longer duration than normally anticipated in dwellings, e.g. public wet rooms, schools and sport facilities.

3 Performance of the product and references to the methods used for its assessment

3.1. Mechanical resistance and stability (BWR 1)

Not relevant

3.2. Safety in case of fire (BWR 2)

Essential characteristic (ETAG/UKAD Clause No)	Performance
Reaction to fire (2.4.1)	D-s1, d0 EN 13501-1

3.3. Hygiene, health and the environment (BWR 3)

Essential characteristic (ETAG/UKAD Clause No)	Performance
Release of dangerous substances (2.4.2)	A written statement from the Certificate holder has been provided and the product does not include any substances listed in UK-REACH
Water vapour permeability (2.4.3)	s_d=14 m EN ISO 12592, 93-50 % RH
Watertightness (2.4.4.1)	Watertight 150 kPa / 7 days, EN 14891, A7
Crack bridging ability (2.4.4.2)	No performance assessed
Bond strength (2.4.4.3)	Category 3 > 0,5 MPa, EN 319
Scratch resistance (2.4.4.4)	Passed
Joint bridging ability (2.4.4.5)	Category 2 (watertight)
Impermeability at sealings (2.4.4.6)	Passed
Watertightness around penetrations (2.4.4.7)	Category 2 (watertight)
Durability (2.4.6)	No performance assessed
Serviceability (2.4.7)	No performance assessed

3.4. Safety and accessibility in use (BWR 4)

Essential characteristic (ETAG/UKAD Clause No)	Performance
Slipperiness (2.4.5)	No performance assessed

3.5. Protection against noise (BWR 5)

No performance assessed.

3.6. Energy economy and heat retention (BWR 6)

No performance assessed.

3.7. Sustainable use of natural resources (BWR 7)

No performance assessed.

4. Assessment and verification of constancy of performance (hereinafter AVCP) system applied

4.1. System of assessment and verification of constancy of performance

According to UKAD No. 030437-00-0503 and Annex V of the Construction Products Regulation (Regulation (EU) 305/2011 as bought into UK law and amended, the system of assessment and verification of constancy of performance 2+ applies.

5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable UKAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with the British Board of Agrément and made available to the UK Approved Bodies involved in the conformity attestation process.

5.1 UKCA marking for the product/ system must contain the following information:

- Identification number of the Approved Body
- Name/address of the manufacturer of the product/ system
- Marking with intention of clarification of intended use
- Date of marking
- Number of certificate of constancy of performance
- UKTA number.

On behalf of the British Board of Agrément 	
Date of Issue: 17 August 2022	**Hardy Giesler** Chief Executive Officer

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ANNEX 1 INSTALLATION

Fibo Bathroom Wall Panels are installed in accordance with manufacturers installation guide.

Installation on timber framework

The studs spacing shall be at a maximum of 600 mm centres and horizontal battens shall have a maximum spacing of 800 mm. Extra noggings shall be used if heavy objects, for instance washstands, are to be installed. The panels shall be fixed to the studs/battens by zinc coated ring shanked special nails or by screws at spacing of c/c 200 mm; nails or screws are to be fixed no closer than 35 mm from the top or bottom of the panel. Power tools must be used with caution not to damage the panels (see Figures 1 and 2).

Installation on concrete or brick walls

When installed on concrete or brick walls, the panels shall be fixed to vertical and horizontal battens with minimum dimensions of 23 mm by 48 mm. The battens shall be installed at maximum 800 mm centres, with the wide side flat. A capillary obstructing layer, for instance strips of tar paper, shall be installed between concrete/brick wall and the battens.

Wet areas

For wet areas, all vertical joints and profiles shall be sealed using a suitable sealant. To ensure proper watertightness, the sealant shall be visible along the profile. Excess sealant must be wiped away.

All panel ends are to be sealed with one of the sealants listed in Table 3 prior to assembly.

These sealants have been tested with Fibo Bathroom Panels according to UKAD 030437-00-0503 of *Watertight covering kits for wet room floors and or walls*, Part 3: *Inherently watertight board*. The listed sealants comply with present environmental requirements

Penetrations in wet areas

Watertightness around wall boxes is ensured by using one of following methods:

- The sleeve delivered with the wall box is to be attached to the bathroom panel using one of the sealants listed in table 3. See Figure 3.
- The tightening ring and gasket delivered with wall box is installed as illustrated in Figure 4.

Maintenance/cleaning

Fibo Bathroom Panels are to be cleaned using a wet cloth or using a mild detergent without rubbing components.

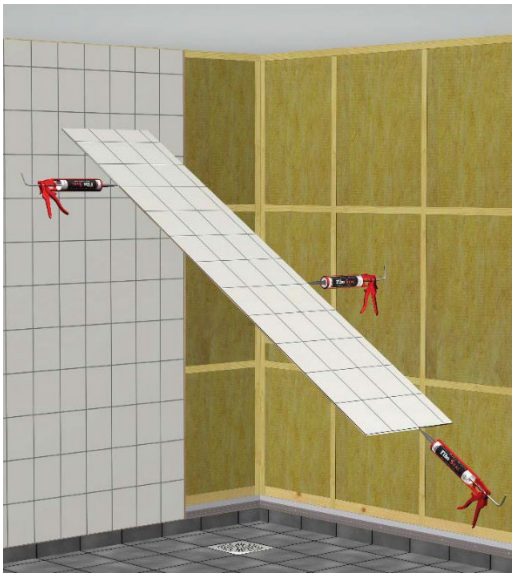

Figure 1: Fibo Bathroom Panel system

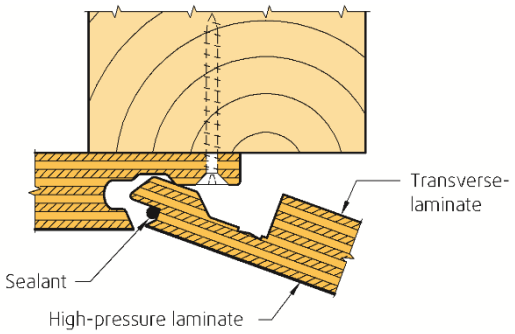

Figure 2: Fibo Bathroom Panels with Aqualock system

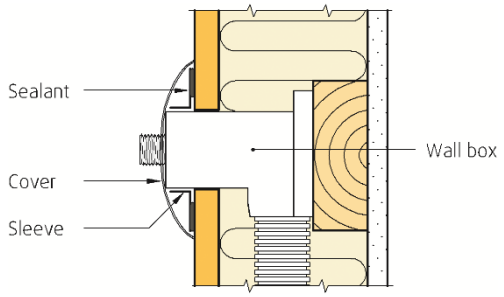

Figure 3: Installation of wall box with sleeve

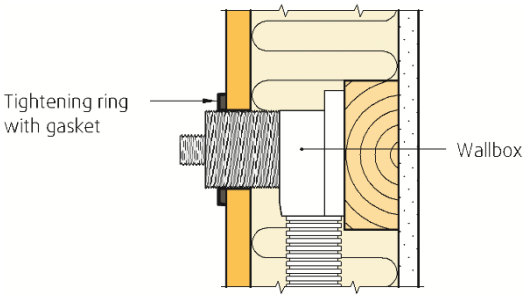

Figure 4: Installation of wall box with tightening ring and gasket

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