



FIBO UK TECHNICAL DATASHEET

MANUFACTURER ISO 9001 : 2008 certified Cert. Nr. 2002-OSL-AQ-7219	FIBO AS Industriveien 2, 4580 Lyngdal, NORWAY	
AREA OF USE	Fibo is an interior panel for use in wet and dry rooms in both domestic and public areas. The panel is designed to be used in bathrooms, wet rooms, showers, kitchens and other areas with excessive water exposure.	
FITTING	Panels can be fitted directly onto a concrete wall or plasterboard, over tiles or onto a timber framework. Refer to the manufacturers fitting instructions enclosed with panels or downloaded from the Fibo UK website : www.fibo.co.uk	
INSTALLATION	It is critical that any exposed plywood on the panels must be sealed thoroughly in order to make them fully waterproof. Use corrosion free screws and/or high tensile strength glue to fix panels to the wall. Use a polymer sealant (not silicone) for all joints between panels and profiles and around bath and shower trays and seal into any screw holes and around any fittings - eg. rails etc. Fibo have a range of sealants and adhesive for this purpose. Check with Fibo Sales Office for more details. Please note that the Fibo 25 year warranty may be invalidated if manufacturers instructions are not followed or if Fibo recommended products are not used when fitting.	
FINISHES	Panels are available in different finishes depending on the colour chosen: Silk (S) Gloss (G) High Gloss (HG) Extra Matt (EM) SC (Saw Cut) Cement (C) Rustic (RU) Stone (STN) Slate (SL)	
SIZE AND FORMAT	Three Standard Sizes: (1) 2400mm x 620mm (*600mm) with Aqualock jointing on the two long sides (2) 2400mm x 920mm (*900mm) with Aqualock jointing on the two long sides (3) 2400mm x 1200mm - square edged - no Aqualock jointing All panels have a 10.2mm thickness (*net width i.e. decorative surface only excluding Aqualock tongue & groove system)	
PACKAGING	(1) 2400mm x 600mm – 2 panels per pack (12kg per panel/8kg per square metre) (2) 2400mm x 900mm – 2 panels per pack (18kg per panel/8kg per square metre) (3) 2400mm x 1200mm – 2 panels per box (24kg per panel/8kg per square metre) Panels are packed in pairs in recyclable plastic. Main component : polyethylene (PE)	
STORAGE	Panels should be stored <u>FLAT</u> , under cover, in dry conditions. The decorative surfaces should be facing each other to prevent accidental damage. DO NOT PROP UP PANELS ON THEIR SIDES The panel moisture content should be >15% before fitting. It is important to acclimatise panels for 2-3 days in ambient conditions before fitting.	
CLEANING AND MAINTENANCE	Wipe down with soft cloth & water or non-abrasive cleaner. Everyday household cleaners, disinfectants and detergents do not affect the durable surface. Do not use limescale removers, bleach, paint stripper, spirits or toilet cleaners on the surface. Do not use steam cleaning devices.	
PROFILES 2.4m long	TYPE Internal Corner External Corner L-Shaped (Finishing end cap) J-Shaped (Finishing end cap) Stacking Base	FINISH White PVC or Brushed Aluminium White PVC or Brushed Aluminium White PVC or Brushed Aluminium Brushed Aluminium only Brushed Aluminium only Brushed Aluminium only (see Fitting Instructions or website for diagrams)
CONSTRUCTION Ply core:	Fibo panels consist of a wooden core material covered with a decorative high-pressure laminate (HPL) on the front face and a backing laminate on the reverse side. This core is a specially developed 7-layer 9mm WBP (exterior grade) birch plywood. All panels and kitchen boards are 70% PEFC certified (refer to website www.fibo.co.uk to download certificate). The plywood core is excellent for wetrooms, showers and other areas with extremely high humidity. The long edges of the panels (in the 600mm and 900mm widths) have our Aqualock "click lock" tongue & groove system for concealed fixing. The 1200mm wide panels are straight edged without Aqualock.	

<p>CONSTRUCTION High Pressure Laminate:</p>	<p>Paper forms the basis of high-pressure laminates (HPL). The paper is impregnated with phenolic and melamine resins, dried and finally compressed to form an extremely hard and stable material – High Pressure Laminate HPL. HPL is a surface material that can be bonded to different kinds of substrates. HPL's have very good wear resistance as well as resistance to most chemicals.</p>																		
<p>FIBO AS has SINTEF TECHNICAL APPROVAL : CERT NR. 2289 for Wall Panels</p> <p>The laminate meets the requirements of EN 438 Part 1 & 2 (ISO4586)</p>	<table border="0"> <tr> <td>Impact Resistance</td> <td>Good</td> </tr> <tr> <td>Wear Resistance (IP)</td> <td>Good</td> </tr> <tr> <td>Scratch Resistance (Abrasion)</td> <td>>150</td> </tr> <tr> <td>Heat Resistance *</td> <td>Max 80°C/176°F *</td> </tr> <tr> <td>Water Absorption</td> <td>Good</td> </tr> <tr> <td>Swelling (thickness after 24hrs water immersion)</td> <td><3% according to EN317 standard</td> </tr> <tr> <td>Dimensional Stability (when temp or humidity changes)</td> <td><3%</td> </tr> <tr> <td>Lengthwise</td> <td><3%</td> </tr> <tr> <td>Crosswise</td> <td><3%</td> </tr> </table> <p>* in areas where the temperature is above 80°C/176°F eg. behind a hob, we recommend using a heat resistant sheet to protect the panel and avoid heat possibly dulling the panel surface. We do not recommend using Fibo panels behind a gas hob.</p>	Impact Resistance	Good	Wear Resistance (IP)	Good	Scratch Resistance (Abrasion)	>150	Heat Resistance *	Max 80°C/176°F *	Water Absorption	Good	Swelling (thickness after 24hrs water immersion)	<3% according to EN317 standard	Dimensional Stability (when temp or humidity changes)	<3%	Lengthwise	<3%	Crosswise	<3%
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<p>LAMINATE SHADING TOLERANCES</p>	<p>Colour code NCS will remain the same but gloss levels may vary between batches. Changes in gloss level will be perceived as change in colour. High gloss >95-105 Extra Matt >4.0-7.0 Silk >11.0-15.0</p>																		
<p>BRILLIANCE TEST Method according to ISO 2813 Reference Point : 60 degrees</p>	<p>High Gloss (HG) : 105-110 Gloss (G) : 70-80 Silk (S) : 10-18</p>																		
<p>LIGHT REFLECTANCE VALUES</p>	<p>LRV values for Fibo panels are available on request. Please contact the Sales office.</p>																		
<p>BOARD DENSITY</p>	<p>790 kg per m2</p>																		
<p>PANEL TOLERANCES TEST METHOD ACCORDING TO EN 324 part 1 + 2</p>	<table border="0"> <tr> <td>Length +/- 1.0mm</td> <td>Width +/- 0.5mm</td> </tr> <tr> <td>Thickness +/- 0.4mm</td> <td>Difference from level +/- 0.3mm</td> </tr> <tr> <td>Banana 0.8mm</td> <td>Stepping +/- 0.2mm</td> </tr> <tr> <td>Curving Convex 1.0mm</td> <td>Curving Concave 3.0mm</td> </tr> <tr> <td>Joint Opening : Wet room 0.5mm</td> <td>Joint Opening : Dry room 0.7mm</td> </tr> <tr> <td colspan="2">Moisture level > 12% during production</td> </tr> </table>	Length +/- 1.0mm	Width +/- 0.5mm	Thickness +/- 0.4mm	Difference from level +/- 0.3mm	Banana 0.8mm	Stepping +/- 0.2mm	Curving Convex 1.0mm	Curving Concave 3.0mm	Joint Opening : Wet room 0.5mm	Joint Opening : Dry room 0.7mm	Moisture level > 12% during production							
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<p>FIRE RESISTANCE</p>	<p>Fibo panels have a Class 2 Spread of Flame certification tested according to BS 476-7:1987 Certain decors have Class 1 Spread of Flame certification. Please enquire with the Sales Office for further information.</p>																		
<p>CE MARKING</p>	<p>1071 Fibo AS, Industrivien 2, N4580 Lyngdal 18 003/F-CPR-2018, ETAG 022:Part 3, 2010</p>																		
<p>PEFC</p>	<p>All panels and kitchen boards are 70% PEFC certified. Fibo UK PEFC Certificate Number: INT-PEFC/CoC-001405</p>																		
<p>MANUFACTURER ENVIRONMENTAL CERTIFICATE</p>	<p>FIBO AS : EPD (Environmental Product Declaration) number NEPD0028IE</p>																		
<p>WARRANTY</p>	<p>Fibo offers customers a 25 year guarantee, from date of installation, that our panels will remain watertight and will not crack or delaminate if fitted according to our comprehensive fitting instructions and subject to fair wear and tear. See website FAQ page for further details.</p>																		
<p>STOCK</p>	<p>Fibo UK have a warehouse in Halifax and Denny, Scotland. Delivery time is approximately 5 working days following receipt of order providing required items are in stock. Please check with the Sales Office before ordering.</p>																		
<p>CONTACT</p>	<p>Fibo UK Limited, Watermeadow House Chesham, Bucks HP5 1LF Tel : 01494 771242 Fax: 01494 771292 Email: sales@fibo.co.uk Web: www.fibo.co.uk</p>																		