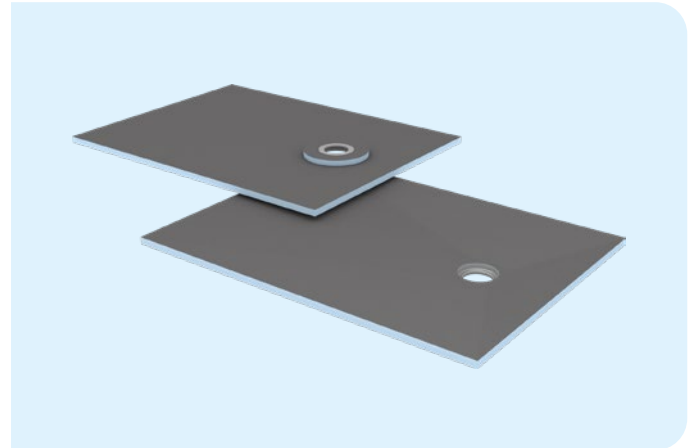


## Fundo Ligno® Plus

- Lower installation height
- Ideal for installation in/on suspended timber floors



### General product description

Fundo Ligno Plus shower elements were developed especially for use in old and new buildings with suspended timber floors. They are ready to receive tiles or Fundo Top design surfaces as a finish. The Fundo Ligno Plus is just 23 mm thick at its outer edges and can therefore be easily integrated into the existing wooden layer.

### Areas of application

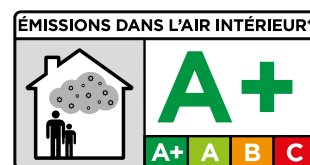
- In domestic construction
- In publicly accessible buildings and workplaces according to DIN 18040 Part 1
- In barrier-free dwellings according to 18040 Part 2 (please note specifications for minimum tile size if wheelchair access is planned, see Technical properties)
- As a construction seal combined with tile and natural stone coverings of the load class A0 (moderately loaded floor surfaces subject to surface flowing water in indoor applications; directly loaded floor surfaces in rooms, information at [www.wedi.net](http://www.wedi.net))

### Product properties

wedi Fundo shower elements can be installed on almost any surface as a directly tileable, flush-to-floor shower systems. The system includes a hard rigid XPS foam core with a special cementitious surface coating, a predefined surface gradient and a matching drainage. Due to its special design, the Fundo Ligno Plus is especially suitable for installation in wooden floors. Thanks to its outer edge thickness of just 23 mm it sits and fits flush with the existing wooden layer.

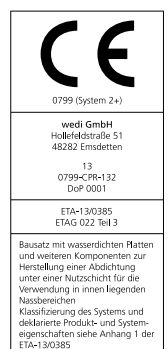
### Sub-surface requirements, processing

For information on processing and substrate requirements, please refer to the installation instructions (see [www.wedi.net](http://www.wedi.net)).



\* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant A+ (très faibles émissions) à C (fortes émissions).

Information on the emission level of volatile substances in indoor air which present a risk of inhalation toxicity, on a scale of A+ (very low emissions) to C (high emissions).



## Technical properties of raw foam building board systems

<b>Extruded polystyrene rigid foam core</b>	XPS
<b>Long-term compressive strength (50 years) <math>\leq</math> 2 % compression EN 1606</b>	0,08 N/mm <sup>2</sup>
<b>Compressive resistance at 10 % compression EN 826</b>	0,25 N/mm <sup>2</sup>
<b>Thermal conductivity EN 13164</b>	0,036 W/mK
<b>Bulk density EN 1602</b>	32 kg/m <sup>3</sup>
<b>Temperature limits</b>	-50°C / +75°C
<b>Fire behaviour EN 13501, building material class</b>	E
<b>Waterproof tested to</b>	1,5 bar

## Technical properties of Fundo

<b>Suitable for wheelchair loading from a minimum tile size of</b>	50 × 50 mm
<b>Glass mosaic from a minimum size of</b>	20 × 20 mm
<b>Standard height of a Fundo Ligno Plus element</b>	
Outer edge height	23 mm
Height of the reinforced drain area	44 mm
<b>Corresponding drain heights</b>	
Horizontal drain, DN 50	85 mm
Horizontal drain Mini Max, DN 40	57 mm
Vertical drain, DN 50	142 mm

An additional approx. 3 mm thickness of tile adhesive under the Fundo element should always be taken into account for determination of the total installation height.

If a vertical drain is used, this is not further taken into account for determination of the total installation height (= 0 mm).

wedi Fundo floor elements can be cut to size on-site, but the geometry of the elements should be maintained.

wedi Fundo elements can only be combined with the wedi Fundo drains.

## Technical properties of drain

Special drain with odour trap and stainless steel cover. Frame can be adapted to tile thickness.

**Frame with stainless steel grille available in the following dimensions:**

115 × 115 mm

Ø 115 mm

**Drain performance depending on the drain selected:**

Fundo drain Mini Max, horizontal, DN 40 ABS,

0,5 l/s ; 30,0 l/min

tested based on DIN EN 1253 (abP test number P-4081-TLRP)

Fundo drain, horizontal, DN 50 ABS, according to DIN EN 1253

0,80 l/s ; 48,0 l/min

Fundo drain, vertical, DN 50 PP, according to DIN EN 1253

1,10 l/s ; 66,0 l/min

Fundo drain, vertical, DN 50 PP, according to DIN EN 1253 with fire protection collar \*

1,10 l/s ; 66,0 l/min

Fundo drain, vertical, DN 70 PP, according to DIN EN 1253

1,00 l/s ; 60,0 l/min

\* Fundo drain with fire protection collar approved as a pipe seal of fire resistance class R120, R90, R60 and R30 when fitted within components of fire resistance class F120, F90, F60 and F30 in accordance with DIN 4102-2. In the event of a fire, the intumescent mass in the metal body expands at 150°C and closes off the cover opening. Minimum cover thickness (concrete, reinforced concrete, porous concrete) 15 cm, minimum thickness of timber beam covers (according to DIN 4102-4, section 5.3.3. of fire resistance class F30-B) 15 cm, core hole 160 mm (general approval from the building authorities at [www.wedi.net](http://www.wedi.net)).

## Delivery form

Base plate and drain in a separate box

## Storage

In principle, the wedi Fundo system should be stored in a horizontal position. It is to be protected from direct sunlight and moisture.

## Safety notice

none

Information about finishing and application options for wedi products, technical recommendations or advice and other information provided by our employees (technical usage advice) is accurate to the best of our knowledge, but is non-binding and is given with the exclusion of any liability. It does not exempt our customers and their buyers from carrying out their own checks and trials on the suitability of the products for the intended processes and purposes.