

Technical data sheet

wedi Fundo *Liquo*

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



General product description

Floor-level shower element for direct tiling with horizontal or vertical floor drain for new-build and renovation projects. For installation on or in suspended timber floors.

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.eu)

Product properties

The wedi Fundo system can be installed on almost any surface as an individual tileable floor-level shower system. The system includes a thick foam core with special coating, a specified surface slope and a custom-fit system floor drain. Thanks to the special construction, the Fundo Ligno is especially suitable for suspended timber or wooden floors. It is only 20mm thick at the edges.

Sub-surface requirements, processing

Please refer to the wedi "Building materials" brochure and the assembly instructions for information on processing and sub-surface requirements (see www.wedi.eu).

Technical properties – rigid foam

Extruded polystyrene rigid foam core	XPS
Long-term compressive strength (50 years) \leq 2% compression EN 1606	0.08 N/mm ²
Compressive resistance at 10% compression EN 826	0.25 N/mm ²
Thermal conductivity EN 13164	0.036 W/mK
Bulk density EN 1602	32 kg/m ³
Temperature limits	-50°C / +75°C
Fire behaviour / building material class DIN 4102	B1
Fire behaviour EN 13501-1	E
Waterproof tested to	1.5 bar

Technical properties – Fundo

Suitable for wheelchair loading from a minimum tile size of	50 x 50 mm
Glass mosaic from a minimum size of	20 x 20 mm
Minimum installation heights depending on the drain:	
Horizontal drain, DN 50	130 mm
Horizontal Minimax drain, DN 40	97 mm
Vertical drain	40 mm
Surface slope (from outer edge of Fundo base plate to outer edge of drain opening) (exception: Fundo Nautilo, surface slope measuring 28 mm)	18 mm
Fire behaviour DIN 4102	B2

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 – drain

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

Frame with stainless steel grid available in the following dimensions:

95 x 95 mm
120 x 120 mm
142 x 142 mm
Ø 120 mm

Drain performances depending on the drain selected:

Fundo Minimax drain, horizontal, DN 40	0.54 l/s ; 32.4 l/min
Fundo drain, horizontal, DN 50	0.80 l/s ; 48.0 l/min
Fundo drain, vertical, DN 50	1.00 l/s ; 60.0 l/min
Fundo drain, vertical, DN 70	0.88 l/s ; 52.8 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.

Installation specifications

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 or round sheath 157–177 mm. When connecting drain pipes within the fire protection collar, polypropylene "SML/HT pipe connectors" from Dallmer GmbH & Co. are to be used (general approval from the building authorities at www.wedi.eu).

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

The product contains the flame retardant hexabromocyclododecane in a concentration of > 0.1%. This substance is listed in Annexe XIV of the REACH Ordinance (EC) No. 1907/2006.

Information about the processing and possible application of the wedi products, technical recommendations or advice and other information provided by our staff (application-related advice) is provided to the best of our knowledge, but is not binding and excludes any liability. This does not release our customers and their consumers from performing their own checks and tests for suitability of the products for the processes and purposes intended.