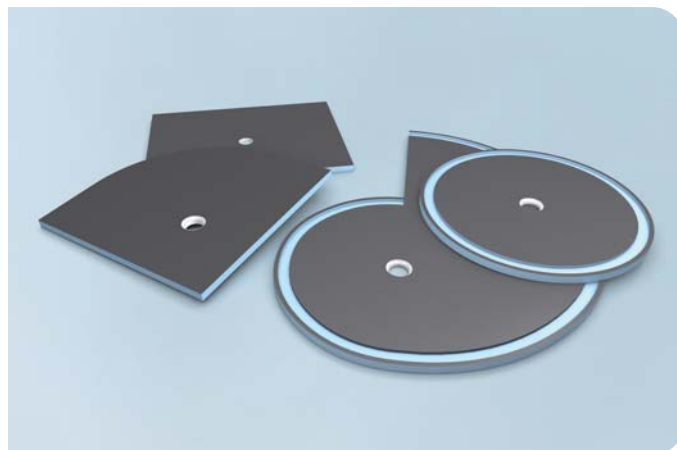


Fundo Primo® / Trollo® / Borgo® / Nautilo®

- Floor-level shower system
- Waterproof
- For private residential construction and public buildings



General product description

Floor-level shower element for direct tiling with horizontal or vertical floor drain for new build and renovation projects.

Applications

- In private residential construction
- In public buildings and workplaces complying with DIN 18040 part 1
- In accessible dwellings complying with DIN 18040 part 2 (note specifications for minimum tile size if wheelchair access is planned, see technical properties)
- As structural sealing in combination with tile or slab coverings for load classes A0, A and B (floors subject to moderate non-pressing water load in interior areas, directly loaded floors in rooms in which tap water or cleaning water is used very frequently or for long periods, and floors of indoor and outdoor pools or basins containing water with the properties of drinking water), more information can be found at www.wedi.eu

Product properties

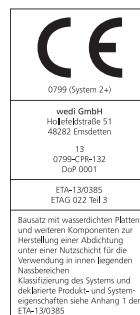
The wedi Fundo system can be installed on almost any surface as an individual tileable floor-level shower system. The system includes: A sealed foam core with special coating, a specified surface slope as well as a perfectly-fitting system floor drain.

Surface requirements, processing

Information on processing and surface requirements can be found in the wedi building materials brochure and the fitting instructions (see www.wedi.eu).



* 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).



Technical properties of raw foam building board systems

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 EN 13501-1	E
Tested waterproofness	1.5 bar

Technical properties of Fundo

Wheelchair load-bearing from minimum tile size	50 x 50 mm
Glass mosaic from minimum size	20 x 20 mm
Minimum foundation height depending on the drain:	
horizontal drain, DN 50	130 mm
horizontal drain Minimax, DN 40	97 mm
vertical drain, DN 50	40 mm
Surface slope (from outer edge of Fundo floor element to outer edge of drain opening) (exception: Fundo Nautilo, 28 mm surface slope)	18 mm

For impact sound insulated floor structures, installation of impact sound insulation under wedi Fundo and edge insulation strips should be planned:

Construction using wedi Nonstep Plan impact sound deadening boards (6 mm rubber granulate insulation element, $\Delta L_{WR} = 14$ dB in accordance with DIN 52210). Alternatively, approved polythene membranes may be used.

Permitted noise level in accordance with DIN 4109 L_{ln} ≤ 30 dB(A) and in accordance with VDI 4100 SSt III ≤ 25 dB (A), caused by water installations: complied with using wedi Fundo and Nonstep Plan (see noise test report at www.wedi.eu)

wedi Fundo floor elements can be shortened on site, but the geometry of the elements should be maintained.

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 x 115 mm

Ø 115 mm

Drain performance depending on the drain selected:

Fundo drain Minimax, 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

1.0 l/s ; 60.0 l/min

* Fundo drain with fire protection collar as a pipe seal of fire resistance class R120, R90, R60 and R30 when fitted with components of fire resistance class F120, F90, F60 and F30 in accordance with DIN 4102-2. In the event of a fire, the tumescent 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 wooden beam ceilings (complying with 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" by Dallmer GmbH & Co. must be used (general technical approval at www.wedi.eu).

Packing

Floor element and drain in separate boxes

Storage

In principle the wedi Fundo system should be stored flat. It must be protected against 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.