

wedi Fundo *Riolito / Riofino*

- Floor-level tileable shower system with channel drain
- 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 newbuild and renovation projects.

Applications

- In private residential construction
- In public buildings and workplaces complying with DIN 18024 part 2
- In accessible dwellings complying with DIN 18025 parts 1 and 2 (note specifications for minimum tile size if wheelchair access is planned, see technical properties)
- As a construction seal combined with tile and slab coverings of load class A0, A and B (directly loaded walls and floors in rooms in which tap or cleaning water is used very frequently or for long periods, walls and floors of indoor and outdoor pools that are filled with water with the properties of drinking water), more info available at www.wedi.de.

Product properties

The wedi Fundo Riolito/Riofino system can be installed on almost any surface as an individual tileable floor-level shower system. The floor element (sealed foam, sealed special waterproof coating, specified slope) and a perfectly-fitting system floor drain and various channel covers.

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.de).

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	0.033 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
Waterproofness tested to	1.5 bar

Technical properties - Drain

Sealed, built-in channel drain with drain base and odour trap. Channel cover can be adapted to tile size.

The Fundo Riolito/Riofino are available with channels in the following lengths:	300 mm
	700 mm
	800 mm
	900 mm
	1100 mm
Drain performance depending on the drain selected:	
Fundo Riolito/Riofino drain, horizontal, DN 50	0.80 l/s; 48.0 l/min
Fundo Riolito/Riofino drain, vertical, DN 50	1.12 l/s; 67.2 l/min

The channel covers are available in three models: standard, exclusive and tileable.

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 the cover opening.

Installation specifications

Minimum cover thickness (concrete, reinforced concrete, porous concrete) 15 cm, minimum thickness wooden beam ceilings (in accordance 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.de).

Technical properties – Fundo Riolito/Riofino

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
vertical drain, DN 50	50 mm
Surface slope (from outer edge of Fundo Riolito/Riofino floor element to outer edge of drain opening)	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, $\Delta L_{w,R} = 14$ dB in accordance with DIN 52210). Alternatively, approved polythene membranes may be used.

wedi Fundo Riolito/Riofino floor elements can be shortened on site, but the geometry of the elements should be maintained and they should not be shortened by more than 30 mm on the inside of the channel.

Packing

Floor element, drain in separate box and channel cover

Storage

In principle the wedi Fundo Riolito/Riofino system should be stored flat. It must be protected against direct sunlight and moisture.

Safety notice

none