



Technical Data wedi Fundo Shower System | Riolito and Riofino



Technical Data



Fundo Riofino

Fundo Riolito

wedi® Fundo Shower System-Riolito and Riofino

Overview

wedi[®] Waterproof Shower Systems offer reliable, cost-efficient solutions for constructing 100% waterproof and mold proof showers. These systems are easy to install and open up a whole new world of design possibilities for showers, wet areas and baths. wedi Shower Systems blend the traditional values of design flexibility and robustness while offering the added benefit that comes with state-of-the-art material and manufacturing technologies.

Used in combination with wedi Building Panels on walls, our shower bases offer an excellent alternative to traditional installation methods. No more pre-sloping base line, mud bed, waterproofing membranes and weephole drains. Eliminate the risks of base liner cracks, clogged weepholes and mold growth, plus reduce the installation time from 2-3 days to only 30 minutes.

wedi's pre-sloped Fundo Riolito and Fundo Riofino shower bases feature the ONLY fully sealed and factory integrated waterproof drain assembly. The level

perimeter of these shower bases guarantees a perfect installation when recessing the base into a subfloor where a flush to the floor entry is required. The large, tileable and sloped areas around the drain make the tile installation clean and professional. These unique prefabricated and directly tileable units allow water to drain away through a narrow gap between the cover plate and adjacent tiling.

The system's linear drain is integrated and factory sealed into the floor base. Unlike with other product assemblies available in the market, wedi covers all the details for the shower system assembly.

General Product Description

wedi Fundo Riolito/Riofino shower bases are a reliable, cost-efficient solution for constructing waterproof flush (recessed) or over-subfloor shower floors. These ready-to-tile floor units are simple to install. Even when incorporating small mosaic tiles, wedi Fundo Riolito and Fundo Riofino have a heavy duty point load capability, a coating that allows for it and a ready-made slope for perfect setting. Used in conjunction with wedi Building Panels on walls, Fundo shower bases offer an alternative to traditional installation methods — no more pre-sloping base liners, mud beds, waterproofing membranes and the weep hole drain. Fundo also eliminates the risks related to conventional installations such as base liner cracks, clogged weep holes and mold growth in mud beds. These prefabricated shower bases reduce installation time from 2-3 days to 30 minutes. All wedi shower substrate installations are ready-to-tile the same day.

All wedi shower bases can be easily cut to size or extended with presloped extension panels to fit custom showers and accommodate offset drain locations. Fundo Riolito and Riofino bases can be cut to size with hand saws or skill saws. Round, curvy cuts can be made with a hand saw or jig saw.

wedi shower accessories are also available to complete the entire shower system – wedi Building Panels to create a waterproof transition into the walls, pre-sloped solid foam curbs, ADA compliant sloped shower ramps, recessed niches and corner seats and of course wedi joint sealant to seal and fuse all components together.





Fundo Shower System Components Featuring the Fundo Riolito and Riofino Shower Bases

Shower Floor Bases

Fundo Riolito: Pre-sloped shower base with fully sealed and integrated linear drain

3' x 5' – 44" drain 4' x 6' – 44" drain 4' x 5' – 24" drain 32" x 5' - 24" drain **Fundo Riofino:** Pre-sloped shower base with center or offset off-center, shorter linear drains

3' x 5' - 12" center drain

- 4' x 4' 12" center drain
- 3' x 6' offset drain

Drains

Fully sealed and integrated linear drains. Drain bodies made of PVC. Integrated into pre-sloped floor base and made to connect with PVC cement to a schedule 40 2" PVC pipe cut below the subfloor.

Riolito and Riofino Cover Plates

Three cover plate options are available for the Fundo Riolito and Riofino shower bases

- Standard
- Exclusive
- Tileable

Fundo Riolito and Fundo Riofino Shower Bases Product Features

wedi Fundo Riolito and Fundo Riofino shower bases are prefabricated, pre-sloped, fully sealed with an integrated linear drain and ready-to-tile. Water drains away through a narrow gap between the cover plate and adjacent tiling. wedi Fundo Riolito and Fundo Riofino shower bases can be installed with wedi Building Panels and Curbs to guarantee a waterproof assembly. Large format tiles can be used in the thinbed process. Both shower bases feature a true-level slope and are ADA Compliant when recessed into a subfloor.

- Simple drain hook up
- Ideal for small or large format tile with limited cuts
- Preferred designs for ADA compliance
- Easy drain cleaning
- Drain height adjustable from 1/4" to 3/4"
- Level perimeter unlike other linear products
- Composed of a closed cell extruded polystyrene foam core with a glass mesh wrap and cement based, water resistant coating
- Lightweight, easy to handle, cut & install
- 100% waterproof as tested using ANSI A118-10/ASTM D4068
- 100% waterproof system assembly performance as tested acc. to PS 46-2010 ICC PMG Test Report 1189
- Mold proof
- Thermally insulating
- Great for tile bonding using cement-based thinset mortar





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Information





wedi Fundo Riolito/Riofino

Installing wedi® Fundo Shower Base onto wooden or concrete floors

surface

• 2" PVC pipe is cut 1 1/8" to

• 2" drain assembly below

sink under water load

1 ¹/₄" below top of sub floor

floor is stabilized and will not

Make sure wedi drain and 2"

PVC cement and primer

• Only wedi products (wedi

building panel, wedi curb,

pipe is safely connected using

sealant, wedi fasteners, wedi

wedi ramp) are used for wedi

Fundo Riolito/Riofino assembly.

Before Installation

- Subfloor is sound, level and meets deflection criteria.
 Wooden or concrete structural substrates are dry and loadbearing. Steel framing is loadbearing.
- Floor joists not to exceed 16" o.c. Subfloor panels ³/₄" T&G EGP or equivalent.
- If Shower base is to be installed floor level, make sure you build out a stable depression and deep enough to receive base + thin set

1 Cut the 2" pipe 1¹/₈" to 1¹/₄" below the top of the subfloor surface of the floor construction. Make sure that the cut out fits to the Fundo panel drain. Cut out a 5¹/₄" to 6" diameter hole around the 2" pipe to allow the wedi drain to be inserted into the subfloor. The drain and trap have to be sturdily fastened to the subfloor.

- Installer has been instructed by wedi staff or has been informed about proper wedi assembly steps through wedi installation brochure and video.
- The bottom of wedi wall panels shall be supported by 2 layers of 2 x 4's stacked horizontally on the floor
- wedi showeer bases cah be cut to size using a skilsaw. The Z notch channel must be remade. Remove all sawdust and contaminants from base and channels.

2 Assemble the drain unit following the instruction drawing.



3 Glue and seal the wedi drain body to the 2" pipe. Mount the seaing collar to the wedi Riolito/Riofino underside counterpart using a manual phillips screwdriver.



4 Skim coat the thinset ANSI 118.4 and comb through with a 1⁄4" x 1⁄4" notch trowel.



5 Trowel the thinset on the rear side of the Fundo again using a 1/4" x 1/4" notch trowel.



6 Press the Fundo firmly into the thinset bed, ensuring that the installation is level and void free. Apply some weight equally and for at least 30 minutes (thinset bags).



7 Set up a continuous 1/2" bead at the perimeter channel and only in areas where you can immediately install a building panel into the fresh sealant.



8 You are ready to install the wedi panels around the Fundo, fixed and sealed in the Fundo channels bead of wedi sealant. Fasten the panels directly to the studs using one wedi fastener per foot. One extra fastener is set in between seams of panels to create a flush transition.





- Set continuous 1/2 " beads of wedi sealant between all panel connections. Excessive sealant is smoothed out. Another 1/2 " bead is set over all seams in the assembly and spread flat with a putty knife. Seams must be covered 3/4 " each side, fastener points must be covered with wedi sealant.
- 11 2 Fasteners each side of the niche are set to create a flush transition to the wall panels. Another 1/2" bead of wedi sealant is spread over fasteners and seams.



- All bottom perimeter joints, curb joints, vertical and horizontal panel joints are visibly covered with wedi sealant.
 Coverage should be continuously visible for at least ¾" to 1" on each side of the joint.
- No mastic adhesives are to be used to install tile.



10 wedi Niches are installed in a cut out in the wedi wall and attach with it's flange right into the center of 16 o.c. studs. wedi sealant is set along the connection of wall to niche.



- Ceramic tiles smaller than 2"x 2" must be grouted using epoxy grout. River Rock or Pebble Stones must be grouted with a modified cementitous sanded grout.
- Large format tile can be used on wedi Fundo bases. The tiles must be cut where the slope fields meet.

12 A continuous 1/2" bead of wedi sealant is set into the channel and along the vertical curb notch part. A 1/2" bead of wedi sealant is set against both wedi walls. A 1/2" bead of thin set mortar is set on the floor. The tightly cut to fit curb is pressed into the connnection.

 When complete wedi shower system is installed with wedi joint sealant, a water flood test may be performed only 2 hours after final application of wedi joint sealant (application temperature must be ambient / interior with normal relative humidity and temperatures above 40°F).



wedi Fundo Riolito/Riofino

Installation instructions wedi Fundo Riolito Drain Cover

General Information

- A Drain Cover Fundo Riolito standard: Polished Stainless Steel Standard Version
- B Drain Cover Fundo Riolito exclusive: High Grade Stainless Steel Version
- C Drain Cover Fundo Riolito tileable: Can be tiled with epoxy glue/adhesive. Can be used for 1/4" and 1/2" tile/stone (reverse cover)



- Where wedi building panel or curb overs/caps are installed over horizontal surfaces (seats, curbs, tubdeck transitions) do not set any fasteners and do not allow the glass door installation to penetrate the wedi panel as it is your waterproofing.
 - Make sure that doors are installed tight to contain water inside the shower. Make sure doors are installed to only load bearing reinforced framing.
 - Where wedi buildig panel is installed over corners of a structure showing an angle other than 90° please miter the board edges to gain adhesion surface. Utilize a wedi sealing tape in addition to regular sealing for safety.



Spacers

1 Mount the screw heads to the threaded bolts inside the drain channel and bring them to the desired height so that the drain cover finish will sit slightly lower or flush with your tile or stone.



2 Align the square screw heads so that the drain cover finish can be inserted. The screw heads will support the drain cover finish even under heavy duty conditions.

Profile clamps



System includes spacers which can be used to align the screw heads before inserting the cover plate and they can be used to lay out tile or stone straight to the spacer which stops the tile at the edge to the channel.



System includes clamps which can be used to temporarily fix wedi Jolly tile profiles/ trims in position around the channel edge before and when tile is set.



Straight and Corner Extension Panels to Enlarge Fundo Riolito and Fundo Riofino Shower Bases

To make complicated designs for shower floor extensions as quick, easy and safe as possible, wedi offers prefabricated and pre-sloped panels that connect to wedi Fundo bases. These extension panels come as a corner element that would extend around a corner of a shower base, and as a straight element to extend a side of a shower. The extension panels feature a slope of $\frac{1}{4}$ "/ft. and are pre-grooved to connect with the Fundo's channel groove and the adjoining extension panels to enlarge shower areas. Because wedi Fundo Riofito and Riofino feature a perimeter thicker than 1 $\frac{1}{2}$ ", it is recommended to integrate the extension panels in some cases using a $\frac{1}{2}$ " or thicker wedi building panel underneath (adheared with thinset mortar) to build up the connection height.



wedi® Fundo Corner Extension - Step by Step Installation

Includes: 1 Pc. Fundo Corner Extension Corner or 1 Pc. Fundo Corner Extension Straight



1. wedl* Fundo shower base is installed around center of the shower area.





 A ½^{*} bead of wedl^{*} joint sealant is continuously applied on the horizontal and vertical surface area of the Fundo base channel.



 As when installing the Fundo base, apply a ½" bed of modified thinset mortar in the area where the wed!" extension element will be installed. Make sure the mortar does not contaminate the wed!" joint sealant.



 Here, a wedl[®] corner extension is laid into the thinset bed and the tight shiplap connection between extension and base is made with the beads of joint sealant acting as waterproofing and adhesion promoter.



 The straight extension elements can be used to further continue creating your ready to tile, sloped shower floor in both directions of the corner. The installation procedure is identical with steps 2-4.





 The side connections between corner extension and straight extension panel also offer a shiplap notch in which wedi[®] joint sealant is applied as described in step 2.



 The straight extension is now properly embedded in modified thinset mortar and tightly sealed and connected to the Fundo base and the corner extension panel.



8. Finally, a continuous ½" bead of wedi[®] joint sealant is applied over all surface connection joints and spread over the joints using a putty knife. Weights are applied equally over the shower floor to promote a firmer bond with the thinset mortar on the floor and to enable you to continue working on the shower walls immediately.



General Technical Properties wedi Fundo Riolito and Fundo Riofino

Technical Properties & Performances of wedi Fundo Riolito/ Riofino

National Approval:	ICC PMG 1189/ ISO 9001	
Performance Tests performed by	QAI Laboratories	
Quality Control Management by	ICC / ISO	

Material Composition:	
Core Material:	Extruded Polystyrene closed cell rigid foam
Surface Coating:	Sanded cement and latex based polymer
Drain:	PVC made 2" Schedule 40 trap/pressure fit + glue connection combination model

Test Type	Method/ Standard	Result	Passed
Field Installed Shower Kit Assembly Performance	IAPMO PS 46	Complies	Yes
Performance in comparison to waterproofing membranes	ANSI 118.10	Complies	Yes
Shower Base Functionality	IAPMO PS 106	Complies	Yes
Drain Code Compliance	ASME A112.18.2/ CSA B125.2	Complies	Yes
Waterproofness of product system (base/wall/joints)	ASTM D 4068	Waterproof	Yes
Shear Strength of surface coating	ASTM C 273	>53.5 PSI	Yes
Flange/Fixture seal (Joints to wedi wall panel)	IAPMO PS 46	waterproof, no separation	Yes
1. 300 lbs loads placed on floor unit		No damage to unit, no water leakage in unit or at sealed joints Unit did not disassemble, no cracks, no	Yes
2. Joint Adhesion Test		leakage at seams	Yes
Fungus & Microorganism Resistance	IAPMO PS 46	No growth on any test specimen	Yes
Flexural Strength	ASTM C 203	252 PSI	Yes
Tensile Strength	ASTM D 1623	59 PSI	Yes
Linear Coefficient of Thermal Expansion	ASTM D 696	0.00 Btu in/hr ft ² -F	Reference
R- Value @ 75 F; Thermal Insulation Value	ASTM C 518	4.5 hr ft ² /Btu/in	Reference
Temperature Exposure Limits	N/A	neg. 58 *F / pos. 167*F	Reference

State & Local Approvals are available upon request.

wedi has tested products separately as well as in their wedi kit / wedi system assembly.



National Building Code Compliances

Compliance with current ICC Evaluation Service standards

ICC-ES	PMG Listing	PMG Effective Date: May	-1189 1, 2013
august.		This listing is subject to re-examination in o	<u> </u>
www.icc-	es-pmg.org (800) 423-6587 (562) 699-0543	A Subsidiary of the International Code	Council®
CSI:	DIVISION: 22 00 00—PLUMBING Section: 22 40 00—Plumbing Fixtures (Showe	er System Kit)	_
Product o	ertification system:		
	The ICC-ES product certification system includ stock, or a combination of both, to verify cor system also involves factory inspections, and system.	mpliance with applicable codes and standa	ards. The
Product:	wedi Fundo Shower System and Tile Backer Bo	oard Underlayments	
Listee:	wedi Corporation 1100 Landmeier Rd. Suite 200 Elk Grove Village, Illinois 60007 www.wedicorp.com		Find Current Report on www.icc-es.org
Complian	e with the following codes:		
	2012 and 2009 International Plumbing Code [®] (2012 and 2009 International Residential Code [®] 2012 and 2009 Uniform Plumbing Code [®] (UPC	(IRC)	
	*Uniform Plumbing Code is a copyrighted publication if the	International Association of Plumbing and Mechanical C	Micialy
Complian	ce with the following standard:		
	ANSI A118.10-2008, Load Bearing, Bonded, M Dimension Stone Installations ICC-ES EG 159, Evaluation Guideline for Comp ICC-ES AC 71, Acceptance Criteria for Foan Barriers IAPMO PS 46-2012, Field-Fabricated Tilling Kit	posite Backer Board n Plastic Sheathing Panels Used as Water	
Identificat	on:		
	Packaging label for each system shall include the ICC-ES PMG certification mark.	he manufacturer's name or trademark as we	I as the
Installatio			
	The wedi Fundo Shower Systems shall be inst instructions and the applicable code(s).	talled in accordance with the manufacturer's	published
	Shower system components shall be assemble and panels can be cut to size with hand saws hand saw or jig saw.		
	When provided drains must comply with ASI ready-to-tile shower bases may be used in lieu liner based shower installations. The wedi drain	of an ANSI Z124.1.2 plastic shower recept	
Models:			
	The wedi Fundo shower bases are pre-sloped, engineered as a general purpose backer bo extruded polystyrene foam covered on both sit mesh for durability and bonding with any type o and factory sealed into the floor base. Systen waterproof and mold resistant when tested in a	ard and underlayment for tile and consist des with a cement-based resin surface and i of thinset mortar. The systems linear drain is n assembly and wedi components were pro	of a rigid reinforcing integrated
	Shower system may include the following comp seats, benches, ramps, vapor barrier, fasteners		, niches,
	The wedi Fundo family line includes the following	ng: Primo, Riolito, Riofino, Discreto, and ECC	DBATH.
Condition	s of Listing:		
	 The wedi Fundo Shower Systems shall published instructions and the applicable ca 	ode(s).	
	The wedi Fundo Shower Systems are ma	anufactured by wedi GmbH. in Emsdetten.	Germany

...wedi

General Limitations

System must not be installed over uneven or non-load bearing substrates. System must not be exposed to temperatures over 165° F. Tiles smaller than 2 x 2" should be grouted with epoxy grout (with one exception being pebblestones). Do not install system over substrates subject to settlement and extreme movement. Two horizontal backing layers of 2 x 4" are recommended to guard the perimeter of wedi Fundo Riolito and Riofino and wedi Building Panel transition against separation movement.. Interior use only

Fundo Riolito and Riofino Drain Covers can be extended to be flush with up to a 34" thick tile or stone applications. Do not cut into the bases closer than 2" around the perimeter of the integrated drain trench. Please note: wedi Joint sealant can set within 10-15 minutes and proper adhesion between products must be created by immediate connection through fresh sealant in between parts.

Storage

Store dry and on flat surface. Do not expose to the elements.

Disposal

Upon removal with attached building materials, the product should be disposed of as construction waster in appropriate containers.

Warranty

Log on to www. wedicorp.com to learn more about wedi's warranty.

MasterFormat[™] 2004 Sections

Section 09305 Tile Setting Materials and Accessories Section 10185: Shower Compartments Section 09300: Tile



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Description

4- sided slope

4-sided slope

1- sided slope

slope

Fundo Riolito, floor base,

Fundo Riolito, floor base,

Fundo Riolito, floor base,

Fundo Riolito, floor base,

with channel drain, 4- sided



Fundo Riolito Standard Cover Plate, Stainless Steel				
Description	Width x Length x Height	Unit	Item #	
Fundo Riolito Standard drain cover for 3 x 5 ft. and 4 x 6 ft. Riolito base	1 5/8" x 43 1/4" x 3/4"	1 рс	67-67-97/009	
Fundo Riolito Standard drain cover for 4 x 5 ft and 32" x 5' Riolito base.	1 5/8" x 27 5/8" x 3/4"	1 pc	67-67-97/012	

Unit

1 рс

1 pc

1 pc

1 pc

Item #

07-37-83/526

07-37-83/527

07-37-83/525

07-37-83/533

Fundo Riolito | Floor Base, with Integrated Channel Drain

External Dimensions

3' x 5' x 2" incl. drain

Length x Width x Height

4' x 5' x 2 1/2" incl. drain

4' x 6' x 2 9/16" incl. drain

32" x 5' x 2 7/16" incl. drain

For tile installation heights of between 1/8" and 5/8"

• 1 Riolito drain cover, .06" thick stainless steel, brushed

• (1) 5/8" screw set

Fundo Riolito Exclusive | Cover Plate, Stainless Steel

Description	Width x Length x Height	Unit	Item #
Fundo Riolito Exclusive drain cover for 3 x 5 ft. and 4 x 6 ft. Riolito base	1 5/8" x 43 1/4" x 3/4"	1 pc	67-67-97/008
Fundo Riolito Standard drain cover for 4 x 5 ft and 32" x 5' Riolito base.	1 5/8" x 27 5/8" x 3/4"	1 рс	67-67-97/005

For tile installation heights of between 1/8" and 5/8"

1 Riolito drain cover, .06" thick stainless steel, with add'l .12" stainless steelplate, brushed
 (1) 5/8" screw set

Fundo Riolito Tileable | Cover Plate, Stainless Steel



Description	Width x Length x Height	Unit	Item #
Fundo Riolito Tileable drain cover for 3 x 5 ft. and 4 x 6 ft. Riolito base	1 5/8" x 43 1/4" x 3/4"	1 рс	67-67-97/018
Fundo Riolito Standard drain cover for 4 x 5 ft and 32" x 5' Riolito base.	1 5/8" x 27 5/8" x 3/4"	1 рс	67-67-97/015

For tile installation heights of between 1/4" and 3/4. Can be used with 1/4" and 1/8" tile inserts"

1 Riolito drain cover, stainless steel
 (1) 3/4" screw set









Description	Width x Length x Height	Unit	Item #
Fundo Riofino, floor base with channel drain	3' x 5' x 2" center drain; 1 15/16" thick at perimeter	1 pc	07-37-83/530
Fundo Riofino, floor base with channel drain	4' x 4' x 2" center drain; 1 15/16" thick at perimeter	1 pc	07-37-83/531
Fundo Riofino, floor base with channel drain	3' x 6' offset drain; 2 5/8" thick at perimeter	1 рс	07-37-83/532

Fundo Riofino | Drain Covers

Description	Width x Length x Height	Unit	Item #
Fundo Riofino Standard drain cover	11 3/4" x 1 1/2" x 3/4"	1 рс	67-67-97/013
Fundo Riofino Exclusive drain cover	11 3/4" x 1 1/2" x 7/8"	1 рс	67-67-97/004
Fundo Riofino Tileable drain cover	11 3/4" x 1 1/2" x 3/4"	1 рс	67-67-97/014

Fundo Discreto | System Component, for Creating Vertical Wall Drainage

Description	Width x Length x Height	Channel Length	ltem #
Fundo Discreto System Component Integrates into wedi seats, tileable cover available separately Well suited with Fundo Riolito	35.4" x 2"	1 pc	07-37-38/200

Fundo | Extension Systems

Description	Width x Length x Thickness	Unit	Item #
Fundo Riofino Standard drain cover	142" x 42" x 2" to 1 1/2"	sheet	07-37-83/529
Fundo Riofino Exclusive drain cover	24" x 48", sloped 1/4"/ft.	sheet	07-37-83/528

Image: Image



Be sure to ask for a Certified wedi Installer.

...wedi[®]

Contact us: info@wedicorp.com Find wedi products & specs: www.arcat.com





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