

SECTION 09275 – SHOWER BASE AND WALL SYSTEM

QUALITY ASSURANCE

Words in blue are notes to specifier and should be deleted or hidden when printing.

PART 1 - GENERAL

RELATED DOCUMENTS

5 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SUMMARY

This Section includes the following:

10 Adjust list below to suit Project.

Prefabricated and pre-sloped waterproof shower base and prefabricated waterproof shower wall system (custom sizes per Drawings).

Adjust list below to suit Project.

15 Location: All guest room showers. Handicap accessible showers must be installed with wedi ADA compliant ramp.

Underlayment for ceramic tile installation on interior shower floors

Substrate for ceramic tiles and stoneware

Substrate for ceramic tile installation on bath tub framing

20 Substrate for ceramic tile installation on fiberglass shower base framing

Related Sections include the following:

Delete below if sealant materials and installation for expansion and control joints are specified in this Section.

25 Division 7 Section "Joint Sealants" for sealing of expansion, contraction, control, and isolation joints in tile surfaces.

Division 9 Section "Gypsum Board Assemblies" for [wall tile] [and] [cementitious] backer units installed in gypsum wallboard assemblies.

30 Division 9 Section "Ceramic Tile."

Division 9 Section "Dimension Stone Tile."

SUBMITTALS

Product Data: For each type of product specified.

Shop Drawings: For the following:

35 Shower bases and shower walls, with field-verified dimensions, at all differing locations.

Sample Warranty: Copy of manufacturer's warranty stating obligations, remedies, limitations, and exclusions.

40 Qualification Data: For Installer showing proof of certification by manufacturer.

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Mockups: Before installing shower base and shower wall systems, construct one typical mockups to demonstrate quality of installation. Build mockups to comply with the following requirements, using materials indicated for completed Work.

Obtain Architect's approval of mockups before proceeding with final unit of Work.

Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.

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Approved mockups in an undisturbed condition at the time of Substantial Completion may become part of the completed Work.

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Delete below if work of this Section is not extensive or complex enough to justify a preinstallation conference. If retaining, coordinate paragraph below with Division 1 Section "Project Meetings."

Preinstallation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings."

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Installer Qualifications: Manufacturer's authorized certified installer who is trained and approved for installation of shower base and wall systems required for this Project.

DELIVERY, STORAGE, AND HANDLING

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Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Protect from direct sun exposure, volatile compounds, harsh chemicals and contact with moisture. Protect the exposed edges. Avoid contact with temperatures greater than 160 degrees F.

Prevent damage or contamination to materials by water, freezing, foreign matter, and other causes.

PROJECT CONDITIONS

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Do not use this system with tiles less than 2" x 2" unless shower base manufacturer has been contacted for grout choice specifications.

Do not use this system as a base for mechanical fastening or nailing.

Do not use organic mastics with this system.

WARRANTY

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General Warranty: Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

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Special Manufacturer's Warranty: Written warranty, signed by shower base and wall system manufacturer agreeing to replace defective products that do not comply with performance and other requirements specified in this Section within specified warranty period.

Revise warranty to period required and verify availability.

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Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

APPROVED PRODUCT

Subject to compliance with the requirements, provide the following system or submit an equivalent system for approval to the Architect at least five days prior to the Bid Date. Accepted substitutions shall be listed in an addendum:

5 wedi Corp. Fundo Shower Base.

SHOWER BASE AND WALL SYSTEM

Shower Base and Wall System:

Size: Custom size shower bases and walls. Field verify all dimensions and submit shop drawings for each size.

10 Composition: Styrofoam™ Brand Foam insulation core coated on both sides with a fiberglass mesh and a waterproof polymer-modified mortar, treated with fire dried quartz sand. Core shall be extruded polystyrene consisting of a closed cell membrane throughout, making it 100% waterproof. Base shall be pre-sloped with an exact value of 1/4" slope measured from the edges to the center drain.

Standards: ASTM C-627, IAPMO File 4953, UL1715.

Shower Drain: Oatey shower drain with a stainless steel cover plate, as provided with the wedi Fundo shower base system.

20 Accessories:

wedi building panel for wall and ceiling tile substrates to complete a 100% waterproof shower application.

wedi Fundo prefabricated full foam curbs.

wedi Fundo prefabricated niches.

25 wedi ADA compliant ramp.

Joint Treatment Materials:

30 wedi joint sealant for wet areas: wedi approved polyurethane sealant as an alternative to wedi sealing tape. wedi joint sealant shall be used to adhere wedi elements together in a continuous and complete 1/2" bead in all connections.

Tile Setting Material:

Use latex/modified thin set adhesive ANSI A118.4 (recommended by wedi Corp.0).

Mastic shall not be used in any wedi application.

35 **PART 3 – EXECUTION**

EXAMINATION

Examine substrates and conditions, with Installer present, for compliance with requirements for Sections in which substrates and related work are specified and other conditions affecting performance.

40 Proceed with installation only after unsatisfactory conditions have been corrected.

INSTALLATION, GENERAL

45 Comply with installation manufacturer's written instructions applicable to products and application indicated. If printed instructions are not available or do not apply to project conditions, consult manufacturer's technical representative for specific recommendations before proceeding with installation of system.

50 Apply wedi system where indicated on Drawings using modified thin-set. Follow the recommendations in the current TCNA Handbook under the heading "Cementitious-Coated Foam Backer board Installation Systems."

Seal all joints in any wet area application.

55 Use wedi building panels at shower walls and ceilings in conjunction with wedi Fundo to complete a 100% waterproof application and system.

Verify, prior to installation, that the 2" drain pipe (ABS or PVC) is in the correct location. Drain pipe shall be cut flush to the surface of the sub floor and the trap must be securely fastened to the sub floor construction.

60 wedi FUNDO SYSTEM INSTALLATION

Cut out 5" hole for the drain connection. Cut the 2" pipe flush to the substrate surface. Fix the pipe on center.

65 Assemble the wedi Fundo drain unit with the base. Use the wedi joint sealant to seal between the foam integrated plastic ring and the Oatey drain (upper part). Refer to Fundo base carton for detailed manual.

Spread a modified thin set on the substrate and the rear side of the Fundo base. Trowel lines should be pulled perpendicular to curb side.

Push the Fundo base smoothly in the thin set bed. Apply pressure and weight to the pan.

70 Seal the drain connection by inserting the rubber sealing gasket around the 2" pipe. Follow drain manufacturer's direction to seal drain connection.

75 Seal all seams between wedi Fundo and the wedi building board on the wall using wedi joint sealant for a continuous line of sealant in the base perimeter channel and for a continuous line after the wall panel installation along the perimeter at the wall-shower base connection.

Apply curb into bed of modified thin set. Apply wedi joint sealant in channel and on building panel where curb will butt up against walls. Once installed, apply wedi joint sealant to all open seams.

80 System is now ready for tiling.

PROTECTION

Protect the drain unit and Fundo surface against penetrations and debris.

END OF SECTION 09275