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| Section 10000 | Shower Pan and Wall System |
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Part 1 – General

Related Documents

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:

Prefabricated and pre-sloped waterproof shower pan and waterproof shower wall system (sizes per drawing).

Location: All shower enclosures

Related Sections include the following:

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 backer units installed in Gypsum Board assemblies.

Division 9 Section “Ceramic Tile”

Division 9 Section “Dimensional Tile & Stone”

Submittals

Product data: For each type of product specified

Shop drawings for the following: Shower pans and shower walls with field verified dimensions in all differing locations.

Sample Warranty: Copy of manufacturers warranty stating obligations, remedies, limitations and exclusions.

Quality Assurance

Mockups: Before installing shower pan and shower wall system, construct one typical mockup to demonstrate quality of installation. Build mockups to comply with all requirements using materials indicated for completed work.

Obtain architects 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.

Pre-installation conference: Conduct conference at project site to comply with requirements of Division 1 "Project Meetings".

Delivery, Storage and Handling

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 product 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

Do not use shower pan system with tiles smaller than 2 x 2 inches unless shower pan manufacturer has been contacted to provide specific grout joint filler recommendations.

Do not use the shower pan system as a base for mechanical fastening or nailing.

Do not use mastic adhesives within the shower system assembly.

Warranty

General Warranty: Special warranties specified in this article shall not deprive owner of rights they may have under other provisions of the contract documents and shall be in addition to, and run concurrent with other warranties made by the contractor under requirements of the Contract Documents.

Special Manufacturer's Warranty: Written warranty, signed by shower pan 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.

Warranty Period: 5 years from date of material purchase.

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.

wedi Fundo Shower Pan and Wall System

Size: Standard and custom size shower pans and wall systems. Field verify all dimensions and submit shop drawings for each size.

Composition:

Shower Pan: Extruded polystyrene core coated on both sides with a fiberglass mesh and a polymer-modified waterproof coating, treated with fire dried silica quartz sand. Pan shall be pre-sloped with an exact value of $\frac{1}{4}$ " per ft. slope measured from the edges to the center of the drain.

Wall System: Extruded polystyrene core coated on both sides with a fiberglass mesh and polymer-modified cementitious coating. Extruded polystyrene provides a closed cell matrix making the foam core 100% waterproof.

Standards: ASTM C 627, IAPMO File 4953

Shower Drain: Oatey shower drain as provided with the wedi Fundo Shower System.

Accessories:

wedi Building Panel: for wall and ceiling tile substrates to complete a 100% waterproof shower application.

wedi Prefabricated Curbs: Solid polystyrene curb unit, pre-sloped on top surface.

Joint Treatment Materials:

wedi Joint Sealant for wet areas shall be used to adhere all wedi elements with a continuous $\frac{1}{2}$ " thick bead in all connections.

Tile Setting Material: Use latex-modified thin set mortar per ANSI A118.4. Mastic adhesives shall not be used in any wedi application.

Part 3 – Execution

Examination

Examine substrates and conditions with installer present to comply with requirements for sections in which substrates and related work are specified and other conditions effecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

General Installation

Comply with shower system manufacturer's installation manuals. 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 the system.

Install wedi system where indicated on drawings. Follow the recommendations in the current TCNA Handbook for Ceramic Tile Installations under the heading "Cementitious Coated Foam Backerboard".

Seal all joints and fastener head penetrations in any wet area of the installation.

Use wedi Building Panels at shower walls and ceilings in conjunction with wedi Fundo Shower Pan 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 substrate surface and the trap must be securely fastened to the subfloor construction.

wedi Fundo Shower Pan Installation

Cut out the hole for the drain connection. Cut the pipe flush to the subfloor top surface and on center. Assemble the wedi Fundo Shower Pan with the Oatey drain unit. Refer to the installation manual attached to the wedi unit. Install wedi Fundo Shower Pan on the subfloor with the specified thin set mortar using a 1/2" x 1/2" square notch trowel. Connect and seal the shower pan drain with 2" pipe.