



CITY OF PENDLETON

Facilities Department
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Requests for Proposal Pendleton City Hall Flooring Replacement

August 24, 2016

The City of Pendleton Facilities Department is accepting sealed proposals to install flooring Proposal must be returned by September 7, 2016 by 2 PM to Glenn Graham Facilities Manager Office 500 Southwest Dorion Avenue Pendleton, Oregon 97801. For public opening. of proposals. No email our faxes accepted. Clearly mark envelope (**Pendleton City Hall Flooring Replacement**)

General information:

1. Site visit highly recommended 500 SW. Dorion Ave call for appointment.
2. Job to be completed 30 days after award of bid with contractor's letter to proceed.
3. Contractor responsible for removal of all debris and disposal.
4. Contractor to provide all subfloor modify as necessary per manufactures specifications.
5. City of Pendleton Public Contract Addendum required by Oregon statute please attaches to proposal.
6. Contractors shall comply with Oregon building codes. Obtain all permits as necessary including City business license, & Oregon contractor's license.
7. There is no asbestos associated with this job.
8. Contractors responsibility to field verify all square footage dimensions of proposed areas. .
9. Provide product specifications with proposal and warrantees.
10. Provide all materials necessary to meet are exceeded specifications below.
11. Apply floor tile manufactures recommended application of sealer and wax see attached documents.
12. Contractor shall install in timely fashion, preferably evenings or weekends to reduce disruption of City Hall functions, must maintain minimal access to City Hall functions at all times.
13. Contractor shall provide two copies in 3 ring binders of all O&M technical manuals on close out.

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Scope of project: Install subfloor and granite tile:

Second floor City Hall Lobby area Removed existing granite tiles from glass automatic sliding glass doors to front curved railing including all out coves. Replace subfloor with manufacturer's suitable substrate for granite tile. Use the existing tile pattern see attached picture. Repeat the procedure from black vinyl transition in hallway Eastside of building going to public restrooms & City Hall break room leading to the courtroom area and handicap ramp. Replace all rubber base molding as necessary in scope of this project. See attached picture.

Please use the following tile manufacturer Fritz Industries. Inc Dallas Texas (no substitutes)

Black spackle Q160221, Espresso R682023, Cayenne Q160262 <http://www.fritztile.com/>

1. Front lobby subfloor & granite tile, Fritz Industries replacement and match existing pattern with new replacement tiles. This project is 653 ft.² field verify contractors responsibility prior to bidding.
2. Replace granite tiles with. Fritz Industries product. leave black vinyl in place as transition color. This project is approximately 220 ft.² field verify contractors responsibility prior to bidding
3. All material, labor, permits and fees to complete this work.
4. Furnish warranty documentation.
5. This proposal is to include everything for a Turnkey flooring install.

Product Specifications:

See attached specifications & photos

Review and be familiar with the enclosed bid proposal specifications. Failure to review the specifications will not relieve the successful contractor of an obligation to furnish all products, services and labor necessary to carry out the provisions of the bid proposal.

City shall award bid or reserve the right to reject any or all proposals, to postpone the award of the bid for a period not to exceed thirty (30) days, and to accept the proposal or any portion of the Proposal which is to the best interest of the City of Pendleton, Oregon. The City reserves the right to delete a portion of the project without renegotiating the lump sum bid, if funding is not available.

Sincerely,

Glenn S. Graham
Facilities Manager

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END

**Requests for Proposal
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City Hall front lobby



Requests for Proposal Pendleton City Hall Flooring Replacement

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East hallway next to public restrooms in city break room going towards
courtroom



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General Product Description

Fritztile is a combination of resin, recycled glass and recycled aggregates, composed of at least 65% pre-consumer waste recycled materials. Because Fritztile contains natural materials, shade variations are normal, adding to the beauty of the flooring surface.

Standard Dimensions: 12" X 12" (305mmx305mm)

Standard Thickness: 3/16" (4.8mm)

Custom Cutting: Custom water-jet cutting to specified dimensions is available.

Construction: Polyester resin, recycled glass and aggregates

Surface Finishes:

A UV cured urethane finish is applied at factory.

Once the installation is complete and the floor has been thoroughly cleaned, a minimum of 2 coats of FCP102 Sealer are required for commercial uses and high traffic areas.

Once the FCP102 has been applied and is thoroughly dry, a minimum of two coats of FCP300 Sealer and Finish are required for commercial uses and high traffic areas.

FloorScore Certified: Fritztile is independently certified by SCS Global Services to comply with the volatile organic compound emissions criteria of the California Section 01350 Program.

Fire Test ASTM E648: Class 1

Fire Test ASTM E-662-97: Class 1

Fire Test ASTM E-84-98: Class 1

Flame Spread: Compliance with article 15, Part 1120, State of New York fire Building Code, DOS file # 09660-30507-4002

Coefficient of Friction ASTM D-2047-93: Meets all ADA recommendations for slip resistance. Slip Resistance: 0.70-0.74 Average

Acoustical Data:

- ASTM E 492-09/ASTM E 989-06 (IIC rating): 43 dB
- ASTM E 90-09/ASTM E413-10 (STC rating): 54 dB

Storage Conditions/Acclimation: Material shall be stored and installed where relative humidity is between 45% and 75%, and the temperature is between 65°F and 80°F.

All materials including adhesives must be on site in the room where they will be installed for 48 hours before installation. Entire contents of each carton should be removed from carton, flipped, and allowed to acclimate for 24 hours flat on the substrate where they are to be installed.

For more information visit www.fritztile.com or call 800-345-6202.



SECTION 09656

RESILIENT TERRAZZO TILE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Marble terrazzo tile and accessories.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete.
- B. Section 06100 - Rough Carpentry: Wood subfloor.
- C. Section 07900 - Joint Sealers.
- D. Section 09650 - Resilient Flooring.

1.3 REFERENCES

- A. ASTM C 109/C 109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens).
- B. ASTM D 695 - Standard Test Method for Compressive Properties of Rigid Plastics.
- C. ASTM D 2047 - Standard Test Method for Static Coefficient of Polish-Coated Floor Surfaces as Measured by the James Machine.
- D. ASTM D 2240 - Standard Test Method for Rubber Property--Durometer Hardness.
- E. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- F. ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
- G. ASTM E 662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- H. ASTM F 510 - Standard Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed Method.
- I. ASTM F 540 - Standard Test Method for Squareness of Resilient Floor Tile by Dial Gage Method.
- J. ASTM F 925 - Standard Test Method for Resistance to Chemicals of Resilient Sheet Flooring.
- K. ASTM F 970 - Standard Test Method for Static Load Limit.
- L. ASTM F 1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- M. MIL D-3134 - Deck Covering Materials; Revision J, Addendum 1.
- N. ASTM E492-09 – Standard Test Method for Laboratory Measurement of Impact Sound Transmission through Floor-Ceiling Assemblies Using the Tapping Machine

- O. ASTM E989-06 – Standard Classification for determination of Impact Insulation Class
- P. ASTM E90-09 – Standard Test Method for Laboratory Measurements of Airborne Sound Transmission Loss of Building Partitions and Elements
- Q. ASTM E413-10 – Classification for Rating Sound Insulation

1.4 SYSTEM DESCRIPTION

- A. Performance Requirements of Terrazzo Tiles:
 - 1. FloorScore® Certification: Third party certification for indoor air quality emissions criteria of LEED, CHPS, and the Green Guide for Health Care.
 - 2. Abrasion Resistance: Maximum 0.0196 cubic centimeters volume loss, when tested in accordance with ASTM F 510, Taber abrader, S-39 wheels, at 500 cycles with 1000 gram load.
 - 3. Compressive Strength: Between 2900 and 5000 psi (20 and 34.5 MPa), when tested in accordance with ASTM C 109/C 109M or ASTM D 695.
 - 4. Static Load Limit: 0.0007 inch (0.012 mm) maximum indentation, when tested in accordance with ASTM F 970 at 125 pounds (57 kg).
 - 5. Hardness: When tested in accordance with ASTM D 2240:
 - a. Matrix: Shore D 78, minimum.
 - b. Aggregate: Between Barcol 55 and 100.
 - 6. Coefficient of Friction: Greater than 0.7, average 0.74, when tested in accordance with ASTM D 2047.
 - 7. Flame Spread Index: 15, maximum, when tested in accordance with ASTM E 84.
 - 8. Smoke Density: Specific optical density, when tested in accordance with ASTM E 662, of 231.76 (smoldering) and 292.05 (flaming).
 - 9. Critical Radiant Flux: Minimum of 0.93 watt/cubic centimeter (Class 1) when tested in accordance with ASTM E 648.
 - 10. Chemical Resistance: No change or surface attack, color change, or swelling, when tested in accordance with ASTM F 925.
 - 11. Oil Resistance: Complying with MIL D-3134.
 - 12. Corrosion Resistance: Complying with MIL D-3134.
 - 13. Electrical Conductance: Nonconductive.
 - 14. Squareness: 0.003 inch (0.076 mm) out of square, maximum, when measured in accordance with ASTM F 540.
 - 15. Acoustical Testing:
 - ASTM E492-09/ASTM E989-06 (IIC) = 43dB
 - ASTM E90-09/ASTM E413-10 (STC) = 54 dB

1.5 SUBMITTALS

- A. Submit in accordance with Section 01300.
- B. Submit manufacturer's specifications and technical data for precast terrazzo tile and accessories; including manufacturer's printed installation instructions and maintenance manuals for each material specified.
- C. Samples for Selection: Submit manufacturer's samples of actual sections of tile and accessories; include manufacturer's full range of color and patterns available.
- D. Samples for Verification Prior to Installation: Submit full size samples of all types, colors, and patterns selected, indicating full range of patterning and color variations.
- E. Test Reports: Submit test reports for bond and moisture tests of substrates.
- F. Certificates: Submit certificates from manufacturer stating compliance with applicable requirements for materials specified.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: A firm that has at least three years of experience with the installation of precast terrazzo tile and has successfully completed installations of a similar size and scope.
- B. Regulatory Requirements: Comply with requirements of local building codes and applicable regulations of other government authorities.
- C. Pre-Installation Meeting: Meet with tile manufacturer's representative prior to preparation of substrate and installation of tile, to review manufacturer's instructions and requirements to ensure the tile is installed properly.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original, unopened packages, containers or bundles bearing brand name and identification of manufacturer.
- B. Store materials inside, under cover in a manner to keep them dry, protected from the weather, direct sunlight, surface contamination, corrosion, and damage from construction traffic and other causes.

1.8 PROJECT CONDITIONS

- A. Maintain minimum temperature of 70 degrees F (21 degrees C) in spaces to receive terrazzo tile, for at least 48 hours before, during and after installation. Store materials in space where they will be installed for at least 48 hours or as required ensuring that the materials have reached 70 degrees F (21 degrees C) before starting installation.
- B. Install terrazzo tile and accessories after other finishing operations, including painting, have been completed.
- C. Do not install terrazzo tile on concrete slabs until they have been cured and are sufficiently dry to achieve bond with adhesives, as determined by the tile manufacturer's recommended bond and moisture test. Allow sufficient time for the slab to dry out before installation is started.
- D. Provide adequate lighting to allow for proper installation.
- E. Do not use portable or temporary heat.

1.9 WARRANTY

- A. Submit 20 year wear warranty written material warranty from tile manufacturer warranting that tile is free from defects in workmanship and material.
 - 1. Products must be installed so as not to void the manufacturer's warranty for wear.
 - 2. Warranty shall be in form acceptable to Owner.

1.10 MAINTENANCE

- A. Extra Materials: Furnish one box of tile for each fifty boxes or fraction thereof, for each type, color, pattern and size of the tile installed, from same manufactured lot as materials installed.
 - 1. Deliver extra tile to Owner after completion of work.
 - 2. Furnish tiles in protective packaging with identifying labels.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Fritztile, which is located at: 180 Gordon Dr. Suite 113 ;
Exton, PA 19341; Toll Free Tel: 800-345-6202; Email: rgillespie@expandko.com;
Web: www.fritztile.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- D. Obtain all materials including terrazzo tile and recommended adhesives from a single manufacturer.

2.2 MATERIALS

- A. Terrazzo Tile: Marble, glass and/or granite chips embedded in flexible thermoset polyester resin matrix, with random distribution of chips and smooth factory applied urethane coating cured by ultra violet exposure process.
 - 1. Color/Pattern/Thickness: As indicated on drawings.
 - 2. Color/Pattern/Thickness: As selected by Architect from manufacturer's full range.
 - 3. Color Match: Obtain all tile materials from same production run.
- B. Wall Base: Fritztile straight bull nosed wall base.
- C. Leveling Compound: Fritztile recommends only Ardex leveling compound products. Refer to Ardex for recommendations and installation methods. www.Ardex.com
- D. Patching Compound: Fritztile recommends only Ardex patching compound products. Refer to Ardex for recommendations and installation methods. www.Ardex.com
- E. Floor Adhesive:
 - 1. Fritz FA88 Powdered Multipurpose Adhesive
 - 2. Fritz FA1100 Pre-Mixed Wet Set Adhesive
- F. Sealer and Finish: Two coats of Fritz FCP102 protective sealer and two coats of Fritz Duro-Gloss Finish FCP300, applied as recommended by manufacturer.
- G. Sealant: Silicone, as specified in Section 07900, and of type approved by tile manufacturer.

Part 3 EXECUTION

2.3 EXAMINATION

- A. Concrete Subfloor:
 - 1. Inspect subfloor to verify that it is clean, flat, smooth, level and free from cracks, holes, ridges, coatings preventing adhesion, and other defects impairing performance or appearance.
 - 2. Notify Architect of conditions that would adversely affect flooring installation; do

- not proceed until defective conditions have been corrected.
3. Perform bond and moisture tests on concrete subfloors to determine if surfaces are sufficiently cured and dry as well as to ascertain presence of curing, sealing, hardening or any other compounds.
 - a. Perform bond test in accordance with tile manufacturer's warranty requirements.
 - b. ASTM F 1869-11. Moisture Vapor Emission test using Anhydrous Calcium Chloride. Maximum Allowable Readings: FA88= 10 pounds per 1000 square feet in 24 hours, FA1100=7 pounds per 1000 square feet in 24 hours
 - c. ASTM F2170-11, Relative Humidity (RH) test using situ probes. Maximum Allowable Readings: FA88=90%RH, FA1100=87%RH
 - d. Submit test results and obtain Architect's acceptance prior to beginning installation.
 4. Do not proceed until substrate preparation is complete and satisfactory, bond and moisture tests are completed and test reports submitted which indicate that bond and moisture values meet specified requirements.

B. **Wood Subfloor:**

1. Verify that wood subflooring complies with requirements specified in Section 06100.
 2. Verify that underlayment surface is free of irregularities and substances that may interfere with adhesive bond or show through surface or stain flooring.
- C. Coordinate work with that of other installers prior to installation so that tile work fits properly with doors, frames, saddles, floor drains, and other adjacent work.
 - D. Start of work constitutes acceptance that conditions are satisfactory.
 - E. Close the space and areas where flooring is being installed to traffic and other installers until flooring has set and sealing and finish of tiles are complete.

2.4 PREPARATION

- A. Fill small cracks, holes and depressions in subfloors using leveling and patching compounds recommended by tile manufacturer.
- B. Remove deleterious coatings from subfloor surfaces that would prevent a positive adhesive bond; such as curing compounds incompatible with adhesives, paints, oils, adhesives, waxes and sealers.
- C. Completely remove existing solvent-based adhesives to prevent bleed through and staining.
- D. Remove existing floor covering and condition subfloor to provide smooth, clean continuous surface; level subfloor with self-leveling compound in compliance with tile manufacturer's specifications and installation instructions.

2.5 INSTALLATION

- A. Comply with manufacturer's instructions for terrazzo tile installation.
- B. Scribe, cut and fit tile to permanent fixtures, built-in furniture, cabinets, pipes, outlets and permanent columns, wall, and partitions using tile cutting procedures recommended by tile manufacturer.
- C. Maintain reference markers indicated on subfloor for future cutting, by repeating on finished terrazzo tile floor.
- D. Lay tile from center marks established with principal walls discounting minor offsets,

so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid use of cut widths less than one half tile at perimeters. Lay tile square to room axis, unless otherwise indicated.

- E. Adhere tile flooring to substrate using full spread of adhesive.
- F. Lay tile using conventional procedures for laying resilient tile, placing tile carefully and firmly in position and as level as possible. Butt tile cleanly, evenly and snugly against adjacent tile.
- G. Match tiles for color and pattern by using tile from cartons in same sequence as manufactured and packaged, if cartons are so numbered. Do not install broken, cracked or chipped tiles.
- H. Roll and cross roll floor with 150-pound sectional roller continuously while tile is being laid. Use hand roller in areas that cannot be reached with large roller. Cease rolling when rolling has no more effect.
- I. Do not subject floors to traffic until adhesive is dry and hard and sealers and finishes are applied.
- J. Remove and replace tiles that are not flat, including lipped, cupped, curved, or poorly adhered tile. Remove rejected tile from site.

2.6 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services: Provide on-site services of tile manufacturer or authorized representative for technical assistance during preparation and installation.

2.7 CLEANING AND PROTECTION

- A. Upon completion of installation and curing of adhesive, apply sealant to entire perimeter and around columns, door frames, and other joints and penetrations to prevent water penetration into the adhesive layer due to accidental or maintenance (mopping) water accumulation.
- B. Remove excess adhesives, dirt, stain and other foreign material. Clean floors in accordance with tile manufacturer's instructions.
- C. Protect finished installation at all times. Repair or replace flooring damaged prior to final acceptance of installation by Owner.



Installation Instructions

BEFORE INSTALLATION:

Job site conditions, substrate testing and preparation are critical to the success of a Fritztile installation. Do not start until you have read *Fritztile Pre-installation Guidelines (Document #110)*. If these guidelines are not followed, installation failure may occur.

- Do not install in buildings that are not climate controlled.
- All concrete floors must be tested for moisture and pH regardless of age or grade level.
- When using FA88 Adhesive:
 - Permanent HVAC must be fully operational, controlled and set at a minimum of 68°F, in use condition, for a minimum of 72 hours before testing/installation begins.
 - Slab temperature must be a minimum of 55°F.
 - Ambient relative humidity must be below 60%.
 - Do not use FA88 if Moisture Vapor Emission Rate, tested in compliance with ASTM F1869, exceeds 10 lbs per 1,000 square feet over 24 hours.
 - Do not use FA88 if Internal Relative humidity of the slab, tested in compliance with ASTM F2170, exceeds 90%.
 - Surface pH must not exceed neutral levels. Level must be neutralized prior to installation of Fritztile.
- When using FA1100 Adhesive:
 - Permanent HVAC must be fully operational, controlled and set at a minimum of 70°F, in use condition, for a minimum of 72 hours before testing/installation begins.
 - Slab temperature must be a minimum of 60°F.
 - Ambient relative humidity must be below 60%.
 - Do not use FA1100 if Moisture Vapor Emission Rate, tested in compliance with ASTM F1869, exceeds 7 lbs per 1,000 square feet over 24 hours.
 - Do not use FA1100 if Internal Relative humidity of the slab, tested in compliance with ASTM F2170, exceeds 87%.
 - Surface pH must not exceed neutral levels. Level must be neutralized prior to installation of Fritztile.
- These conditions should then be maintained continually during testing and application, and for at least 48 hours following application.
- For wood sub-floors, use only approved plywood underlayment. Do not use Luan.
- Substrate shall be flat to within the equivalent of 1/8" in 10'.
- Substrate shall be free of old adhesive, sealers, paint, coatings, finishes, dirt, film-forming curing compounds, or other substances that may affect the adhesion of the flooring.
- Prepare substrates using Ardex patching or underlayment compounds.

All materials including adhesives must be on site in the room where they will be installed for 48 hours before installation. Entire contents of each carton should be flipped and allowed to acclimate for 24 hours flat on the substrate where they are to be installed.

- Fritztile terrazzo tiles are random and non-directional.
- Lay out the floor and snap chalk lines as you would for any other tile installation.

All Fritztile products are inspected for quality prior to shipping.

Do Not Install Tiles if They are Out of Square, Deformed, or Curled in Any Way. Stop Installation and Immediately call Technical Support at 800.345.6202.

Fritztile's Warranty does not cover claims on visual or dimensional defects.

Shade variations are inherent in natural products. It is the responsibility of the installer to blend shades. **Installation of tiles deems acceptance of shade variations.** "Shuffle" tiles from alternate boxes to help evenly distribute any shade or color variations in tiles.

Note: After installation, the flooring will require a minimum of 12 hours to set. Light foot traffic can be allowed on the floor immediately but do not place furniture or allow rolling traffic for at least 48 hours.

INSTALLATION:

A. Comply with manufacturer's instructions for terrazzo tile installation.

B. Scribe, cut and fit tile to permanent fixtures, built-in furniture, cabinets, pipes, outlets and permanent columns, wall, and partitions using tile cutting procedures recommended by tile manufacturer.

C. Maintain reference markers indicated on subfloor for future cutting, by repeating on finished terrazzo tile floor.

D. Lay tile from center marks established with principal walls discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid use of cut widths less than one half tile at perimeters. Lay tile square to room axis, unless otherwise indicated.

E. Adhere tile flooring to substrate using full spread of adhesive.

F. Lay tile using conventional procedures for laying resilient tile, placing tile carefully and firmly in position and as level as possible. Butt tile cleanly, evenly and snugly against adjacent tile.

G. Match tiles for color and pattern by using tile from cartons in same sequence as manufactured and packaged, if cartons are so numbered. Do not install broken, cracked or chipped tiles.

H. Roll and cross roll floor with 150 pound sectional roller continuously while tile is being laid. Use hand roller in areas that cannot be reached with large roller. Cease rolling when rolling has no more effect.

I. Do not subject floors to traffic until adhesive is dry and hard and sealers and finishes are applied.

J. Remove and replace tiles that are not flat, including lipped, cupped, curved, or poorly adhered tile. Remove rejected tile from site.

AFTER INSTALLATION:

Immediately after installation, remove any excess adhesive left on the floor by gently rubbing with a clean white cloth. If adhesive has dried, use a well-moistened, non-abrasive pad. Do not clean with any type of solvent-based cleaner.

Protecting the floor:

Unfinished flooring must be covered immediately to protect the surface before finishing. For prefinished floors, if construction will continue after installation, wait for 72 hours and then sweep the floor and cover with brown Kraft paper and protective boards if needed. If the floor is to be covered, be sure to cover the entire floor and do not leave any sections exposed to light.

Floor Finish and Sealer:

Once the installation is complete and the floor has been thoroughly cleaned, a minimum of 2 coats of FCP102 Sealer are required for commercial uses and high traffic areas.

Once the FCP102 has been applied and is thoroughly dry, a minimum of two coats of FCP300 Sealer and Finished are required for commercial uses and high traffic areas.

All Technical, Installation and Maintenance Documents are available at www.fritztile.com.