



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

**CREATION DATE :** 05-SEP-12  
**BID NUMBER:** 7458029  
**TITLE:** SHOWER ROOMS FLOORING  
 REPLACEMENT-ZAMBARANO HOSPITAL  
  
**BID CLOSING DATE AND TIME:** 27-SEP-2012 10:00:00

**BUYER:** Gill, Raymond E Jr  
**PHONE #:** 401-574-8466

**B** DOA CONTROLLER  
**I** ONE CAPITOL HILL, 4TH FLOOR  
**L** SMITH ST  
**L** PROVIDENCE, RI 02908  
**T** US  
**O**

**S** DOA-FACILITIES AND MAINTENANCE  
**H** ZAMBARANO HOSPITAL  
**I** 2090WALLUM LAKE ROAD  
**P** PASCOAG, RI 02859-1813  
**T** US  
**O**

**Requisition Number:** 1278186  
**Note to Bidders:** A MANDATORY PRE-BID MEETING WILL BE HELD  
 MONDAY, SEPTEMBER 17, 2012 AT 9:00 AM AT  
 ZAMBARANO HOSPITAL  
 PASCOAG, RI 02859, MAINTENANCE OFFICE  
 FIRST FLOOR ROOM 1-19

Line	Description	Quantity	Unit	Unit Price	Total
1	<p>LABOR &amp; MATERIALS - COMPLETE APPLICATION OF EPOXY FLOORING TO BE APPLIED IN SIX (6) SHOWER ROOMS AT ZAMBARANO HOSPITAL - FLOOR SYSTEM TO COMPLY WITH USDA, OSHA, FDA AND EPA STANDARDS FOR COMMERCIAL, INSITUIONAL AND INDUSTRIAL USE AND ATTACHED SPECIFICATIONS TO REMOVE ALL CURRENT TILES AND GROUT.</p> <p>APPLY COMPLETE COAT OF WHITE SILICONE CALKING TO ALL INSIDE CORNERS. PREPARE FLOORING APPROXIMATELY 40 SQ FT EACH SHOWER ROOM. COAT ENTIRE AREA WITH NEW EPOXY COATING AND FINISH.</p>	1.00	Each		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

## Zambarano Shower Room Epoxy Flooring

Vendor will supply all labor, tools, equipment and DUR-A-FLEX material required to install epoxy waterproof floor system (or comparable material upon owner approval) with 6" epoxy cove base per manufacturer's recommendations within 6 shower rooms at Zambarano Hospital, Pascoag RI

Bidders are responsible for inspection of location, taking measurements when required and making themselves aware of the total requirements before submitting a bid.

### 1.1 SYSTEM DESCRIPTION

- A. The work shall consist of preparation of the substrate, the furnishing and application of a cementitious urethane based self-leveling seamless flooring system with decorative quartz aggregate broadcast and Epoxy broadcast and topcoats.
- B. The system shall have the color and texture as specified by the Owner with a nominal thickness of 1/4 inch. It shall be applied to the prepared area(s) strictly in accordance with the Manufacturer's recommendations.
- C. Cove base (if required) to be applied per manufacturers standard details unless otherwise noted

### 1.2 SUBMITTALS

- A. Product Data: Latest edition of Manufacturer's literature including performance data and installation procedures.
- B. Manufacturer's Material Safety Data Sheet (MSDS) for each product being used.
- C. Samples: A 3 inch square sample of the proposed system. Color, texture, and thickness shall be representative of overall appearance of finished system.

### 1.3 QUALITY ASSURANCE

- A. The Manufacturer shall have a minimum of 5 years experience in the production, sales, and technical support of cementitious urethane, epoxy industrial flooring, quartz aggregate and related materials.
- B. The Applicator shall have been approved by the flooring system manufacturer in all phases of surface preparation and application of the product specified.
- C. No requests for substitutions shall be considered that would change the generic type of the specified System.
- D. System shall be in compliance with requirements of United States Department of Agriculture (USDA), Food, Drug Administration (FDA), and local Health Department.
- E. A pre-installation conference shall be held between Applicator, General Contractor and the Owner to review and clarification of this specification, application procedure, quality control, inspection and acceptance criteria and production schedule.



## DUR-A-QUARTZ FLOOR SYSTEM

### DESCRIPTION

DUR-A-QUARTZ EPOXY FLOORING is a combination of Q28 or Q11 Colored Quartz Aggregate fused together during application into a seamless surface, with specially formulated, high quality, clear, 100% solids, epoxy formulation. DUR-A-QUARTZ Epoxy Flooring will protect a new floor from industrial abuse and harsh chemical spillage, and will restore the old floor to a better than new condition. It is available in three different textures: standard slip resistant, orange peel and smooth.

### BENEFITS

- Excellent Clarity
- Low Odor
- Meets USDA, FDA, OSHA standards
- Superior Adhesion
- Superior Chemical Resistance
- Easy Maintenance
- NFSI Certified
- CA 01350 Compliant

### COLORS

DUR-A-QUARTZ decorative aggregate is available in blended and solid colors and in two sizes. Color options are standard colors and custom color blends. Please refer to Quartz Color Selector Chart.

### TYPICAL USES

DUR-A-QUARTZ Epoxy Flooring is designed for use wherever USDA, OSHA, FDA and EPA standards must be met. It can be applied on most any type of sound substrate including concrete, quarry tile, brick pavers, steel decks, plywood floors, etc. Typical areas of application:

- Pharmaceutical Plants
- Shower & Locker Rooms
- Laboratories
- Clean Rooms
- Animal Care Areas
- Chill Areas

### SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. Substrate must be primed with DUR-A-SHIELD, DUR-A-GLAZE WB PRIMER, or DUR-A-GLAZE TIE-COAT. Please refer to the master Surface Preparation Guide on our website for more information.

### APPLICATION METHOD/SPREAD RATE

DUR-A-QUARTZ is applied with a roller, squeegee or trowel. A typical yield at a nominal 1/8" thickness. Refer to application instructions for detailed procedure.

### LIMITATIONS

This product is best suited for application in temperatures between 60° F and 90° F. Substrate must be clean, sound and dry. Custom quartz blends should stay within the color range of the existing standard blends. DUR-A-GLAZE #4 "Water Clear" or ULTRA CLEAR resin must be used for topcoats over DUR-A-QUARTZ aggregate to retain color clarity of floor. Eroded or spalled areas must be "filled and leveled" with an epoxy grout composed of DUR-A-GLAZE #4 and aggregate.

### PACKAGING

DUR-A-QUARTZ Epoxy Flooring is available in DUR-A-GLAZE #4 Resin/Hardener: 1-gallon cans, 5-gallon pails, and 50-gallon drums. DUR-A-QUARTZ Aggregate is available in 50 lb bags.

### CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

### GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for three part guide specifications.

# DUR-A-QUARTZ FLOOR SYSTEM

## TECHNICAL INFORMATION

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695 ASTM C-579	17,500 psi 12,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	4,000 psi 2,600 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	6,250 psi 4,500 psi
Flexural Modulus of Elasticity	ASTM D-790	$6.2 \times 10^5$
Linear Expansion	ASTM D-696	$2 \times 10^{-5}$
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Indentation	ML D-3134	.025 MAX
Impact Resistance	ML D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F - 200°F
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	24 mg loss
Coefficient of Friction Standard Slip-Resistant Orange Peel Smooth	ASTM D-2047	0.9 0.8 0.7
VOC Content		0 g/l

\*Pot Life is shorter at higher temperatures. Do not use below 55°F or above 95°F.

\*\* Cold Cure Hardener to be used for applications between 40° and 55°F.

### SPECIAL PURPOSE FORMULATIONS

**DUR-A-GLAZE #4 "Regular"** – For most typical installations under normal conditions.

**DUR-A-GLAZE #4 "Cold Cure"** - For cold area applications when temperature cannot be maintained over 50°F, and when a more rapid cure is required at normal temperatures. This will amber as topcoat.

**DUR-A-GLAZE #4 "Fast"** – Use for intermediate coats in room temperature areas where fast turnaround is desired. This will amber as a topcoat.

**DUR-A-GLAZE #4 "Water Clear"** - Ideal for topcoating quartz floors. Has excellent color retention. May be used in warm temperatures when longer pot life is required.

### MOISTURE CONCERNS

Normal limits for moisture vapor transmission for epoxy floor systems are 3 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 75% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at [www.dur-a-flex.com](http://www.dur-a-flex.com) for complete details.

### DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

### CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website.

### CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. **KEEP OUT OF REACH OF CHILDREN.**

*Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.*

REQUEST FOR QUOTE #7458029

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordered during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

**DELIVERY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**LICENSE**

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

## **INSPECTION**

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS\* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING BID. "MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

## **INSURANCE**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: \* PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. \* BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. \* SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. \* ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \* VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

## **RIVIP**

IT IS THE VENDOR'S RESPONSIBILITY TO CHECK AND DOWNLOAD ANY AND ALL ADDENDA FROM RIVIP. THIS OFFER MAY NOT BE CONSIDERED UNLESS A SIGNED RIVIP GENERATED BIDDER CERTIFICATION COVER FORM IS ATTACHED AND THE UNIT PRICE COLUMN IS COMPLETE. THE SIGNED CERTIFICATION COVER FORM MUST BE ATTACHED TO THE FRONT OF THE OFFER. WHEN DELIVERING OFFERS IN PERSON TO ONE CAPITOL HILL, VENDORS ARE ADVISED TO ALLOW AT LEAST ONE HOUR ADDITIONAL TIME FOR CLEARANCE THROUGH SECURITY CHECKPOINTS.

THIS OFFER MAY NOT BE CONSIDERED UNLESS BIDDER CERTIFICATION COVER FORM IS ATTACHED AND THE UNIT PRICE COLUMN IS COMPLETED. THE SIGNED CERTIFICATION COVER FORM MUST BE ATTACHED TO THE FRONT OF THE OFFER. WHEN DELIVERED OFFERS ON PERSON TO ONE CAPITOL HILL, VENDORS ARE ADVISED TO ALLOW AT LEAST ONE HOUR ADDITIONAL TIME FOR CLEARANCE THROUGH SECURITY CHECKPOINTS.

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## **PABID**

- (a) A SINGLE PRICE SHALL BE QUOTED FOR EACH ITEM AGAINST WHICH A PROPOSAL IS SUBMITTED. THIS PRICE WILL BE THE MAXIMUM IN EFFECT DURING THE AGREEMENT PERIOD. ANY PRICE DECLINE AT THE MANUFACTURE'S LEVEL SHALL BE REFLECTED IN A REDUCTION OF THE AGREEMENT PRICE TO THE STATE .
- (b) QUANTITIES, IF ANY, ARE ESTIMATED ONLY. THE AGREEMENT SHALL COVER THE ACTUAL QUANTITIES ORDERED DURING THE PERIOD. DELIVERIES WILL BE BILLED AT THE SINGLE, FIRM, AWARD UNIT PRICE QUOTED REGARDLESS OF THE QUANTITIES ORDERED.

- (c) BID PRICE IS NET F.O.B. DESTINATION AND SHALL INCLUDE INSIDE DELIVERY AT NO EXTRA COST.
- (d) BIDS FOR SINGLE ITEMS AND/OR A SMALL PERCENTAGE OF TOTAL LIST, MAY, AT THE STATE'S SOLE OPTION, BE REJECTED AS BEING NON-RESPONSIVE TO THE INTENT OF THIS REQUEST.

**WAGE**

VENDOR IS ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS.