

## INVITATION TO BID

### POOL RESURFACING GREENVILLE AQUATICS & FITNESS CENTER CITY OF GREENVILLE NORTH CAROLINA



*Find yourself in good company*

**PRE-BID MEETING: THURSDAY, JUNE 30, 2016 @ 2:00 PM**  
**GREENVILLE AQUATICS & FITNESS CENTER**  
**921 STATON ROAD, GREENVILLE, NC**

**BIDS-DUE: TUESDAY, JULY 12, 2016 @ 2:00 PM**  
**JAYCEE PARK ADMINISTRATION BUILDING**  
**2000 CEDAR LANE, GREENVILLE, NC**

### CONTACT PERSONS:

**QUESTIONS REGARDING THE BID PACKAGE:**

*Ms. Denisha Harris*  
*Purchasing Manager*  
*Telephone: (252) 329-4862*  
*Fax: (252) 329-4464*  
*Email: [dharris@greenvillenc.gov](mailto:dharris@greenvillenc.gov)*

**QUESTIONS REGARDING THE SPECIFICATIONS:**

*Mr. Mike Watson*  
*Parks Coordinator*  
*Telephone: (252) 329-4539*  
*Fax: (252) 329-4062*  
*Email: [mwatson@greenvillenc.gov](mailto:mwatson@greenvillenc.gov)*

**CITY OF GREENVILLE  
ADVERTISEMENT FOR PROPOSALS  
“POOL RESURFACING – GREENVILLE AQUATICS & FITNESS CENTER”**

The City of Greenville, NC is requesting proposals for the resurfacing of the pool at the Greenville Aquatics & Fitness Center with the Greenville Recreation & Parks Department. The scope of work shall include but is not limited to the removal and disposal of the existing pool surface, applying new plaster surface on the pool and repairing of the existing pool deck.

This is a turn-key project.

A mandatory pre-bid meeting and site visit will be held at the Greenville Aquatics & Fitness Center located at 921 Staton Road, Greenville, NC on Thursday, June 30, 2016 @ 2:00 PM. A site visit will follow the pre-bid meeting.

Sealed proposals will be received by the City of Greenville until Tuesday, July 12, 2016 @ 2:00 PM at the Recreation & Parks Administration Office located in the Jaycee Park Administration Building, 2000 Cedar Lane, Greenville, NC 27835. Mailed bids shall be delivered to 2000 Cedar Lane, Greenville, NC 27835 on or before Tuesday, July 12, 2016 @ 2:00 PM and addressed to Mr. Mike Watson, Parks Coordinator.

All sealed bids shall have the words *Attn: Mike Watson - Bid Enclosed, Pool Resurfacing - Greenville Aquatics & Fitness Center* on the outside of the bid package and mail carrier envelope.

All bids will be marked with the date and time they are received by reception staff. There will not be a public bid opening. Bids will be opened and evaluated by staff and *a bid tabulation will be available upon request once the contract is awarded to the successful bidder.*

The City of Greenville reserves the right to reject any or all bids, waive any informality and award contracts that appear to be in its best interest. The right is reserved to hold any or all proposals for a period of sixty (60) days from the bid opening thereof.

From the date of this advertisement until the date of opening the proposals, the plans and specifications of the proposed work and/or a complete description of the apparatus, supplies, materials or equipment are and will continue to be on file in the office of the City of Greenville Purchasing Manager, 201 West Fifth Street, Greenville, NC 27834, during regular business hours, and available to prospective bidders. Inquiries should be directed to the Purchasing Manager at the above address --- Telephone (252) 329-4862. Minority/Women owned business are encouraged to submit proposals.

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*Denisha Harris, Purchasing Manager  
City of Greenville  
201 W. 5<sup>th</sup> Street  
Greenville, NC 27834*

## INSTRUCTIONS TO BIDDERS

**Proposal to Provide  
“Pool Resurfacing – Greenville Aquatics & Fitness Center”  
921 Staton Road, Greenville, NC 27834**

- 1. Contractor is to provide verification to the City that the company’s employees are covered under worker’s compensation insurance coverage.**
- 2. It is expressly understood by the contractor offering a proposal after a written notice of award by the City, a written contract or purchase order will be required to be executed and will serve together with this proposal, these instructions, and any detailed specifications as the entire form of contract between the parties.**
- 3. Each Contractor submitting a proposal is affirming that no official or employee of the City is directly or indirectly interested in this proposal for any reason of personal gain.**
- 4. Sales taxes may be listed on the proposal, but as a separate item. No charge will be allowed for Federal Excise and Transportation Tax from which the City is exempt.**
- 5. If the Contractor is unable to provide a proposal for any reason, please send an email of explanation to [mwatson@greenvillenc.gov](mailto:mwatson@greenvillenc.gov).**
- 6. Questions regarding any procedure for submission of a proposal shall be directed by email to Mike Watson, Parks Coordinator, at [mwatson@greenvillenc.gov](mailto:mwatson@greenvillenc.gov). The last date to submit questions will be Wednesday, July 6, 2016 by 2:00 PM.**
- 7. By submitting a proposal for the POOL RESURFACING – GREENVILLE AQUATICS & FITNESS CENTER, the Contractor attests that it is in compliance with all items listed in the bid/proposal instructions. Furthermore, the Contractor attests that the City of Greenville accepts no responsibility for any injuries to the firm’s employees, while on City property performing their duties.**
- 8. Contractor shall comply with all OSHA requirements and safety guidelines associated with the work within this contract.**
- 9. No work will be performed at any time without proper supervision. Names and experience of supervisors shall be provided if requested.**
- 10. Contractor must procure and post any required permits prior to the commencement of work.**
- 11. Contractor shall be responsible to repair any damage that may be caused by the Contractor or any sub-contractors to the building, concrete, landscaping, etc.**
- 12. Staging areas for equipment and materials can be arranged on site during the pre-construction meeting.**
- 13. All work shall be performed Monday – Saturday during approved hours. Hours of operation shall be 7:00 AM to 7:00 PM. All daily operations, activities, traffic flow, ingress and egress of all doors must not be hindered.**
- 14. The Contractor shall accompany a designated representative(s) of the City on inspections of work at any time during the contract period. The City reserves the right to make determinations as to whether service is performed satisfactorily. Deficiencies in work performance shall be corrected immediately.**

**CITY OF GREENVILLE  
RECREATION & PARKS DEPARTMENT  
SPECIFICATIONS FOR  
“POOL RESURFACING – GREENVILLE AQUATICS & FITNESS CENTER”**

**1.0 SCOPE:**

The scope of work must include, but is not limited to:

**1.1** The work shall start the week of August 22, 2016 and shall be completed by the end of the day on Wednesday, September 7, 2016.

**1.2** Contractor is responsible for all measurements.

**1.3** Pool Resurfacing (Base Bid):

- The City will drain the pool and remove the pool lane dividers.
- Contractor shall properly remove and reinstall accessibility equipment such as, but not limited to, chair lifts, ladders and rails fixed to the pool deck.
- Installation of all material and workmanship shall be per the manufacturer’s specifications.
- Cover all drains and inlets to prevent any and all debris from entering pool piping during the duration of work.
- Contractor is responsible for removal and proper disposal of all construction debris from jobsite.
- Sand blast all paint from the existing pool surface.
- Prepare pool surface for new plaster by sawing and chipping around all fittings, lights and under existing waterline tile.
- V-cut all cracks back by saw cutting to structural soundness and repair with epoxy or other approved sealer.
- Repair any hollow or damaged areas in the pool shell.
- Apply Bond Kote adhesive to insure chemical and mechanical bond.
- Install new Marcite plaster. The finish plaster shall have a smooth and uniform finish. Provide thickness as acceptable to industry standards and to maintain warranty. Install plaster per manufacturer’s specifications. Replaster the pool in White Marble plaster.
- Repaint all race lane markers and end wall targets. The color of the paint shall be a dark contrasting color (preferably black). All lines shall be painted to match the existing lines prior to the work starting.
- The new pool surface shall be fully cured to manufacturer’s specifications prior to refilling the pool. The contractor will notify the City when the pool can be refilled.
- Refilling of the pool and the chemically balancing of the pool will be by the City. Contractor may be called on to assist if any problem shall arise.
- Provide a 2-year written warranty covering against any plaster delamination and painting. Warranty shall cover both material and labor. Contractor will be on premises to address warranty claims within 24 hours of notification and schedule the repairs to suit the City’s schedule.

#### **1.4 Repairing the Pool Deck (Base Bid):**

- The City will remove all items from the deck area that can be easily removed.
- Remove all existing loose & flaking decking material. Dispose of all refuse properly offsite.
- Prepare the concrete surface area per the manufacturer's specification and install new decking material to match the existing material and texture.
- Clean the entire pool deck area.
- Refinish the entire deck area. Match the existing deck color as close as possible. Apply new sealer if required.
- Properly apply (paint) new depth markers and "No Diving" markers and any other required markers per local, state and federal codes.
- Provide a 2-year warranty on the new deck finish including labor and material.

#### **1.5 Resurfacing the Pool Deck (Alternate #1):**

- The City will remove all items from the deck area that can be easily removed.
- Remove all existing pool decking material. Dispose of all refuse properly offsite.
- Prepare the concrete deck area per the manufacturer's specification.
- Apply per the specifications new water based epoxy primer and new water-borne epoxy anti-slip coating as manufactured by Sherwin Williams or equal. Refer to Exhibit B for specification sheets. Provide the following products or equal:
  - Primer: .05954078 PS-100 WB
  - Finish: .01632918 AS-175 (all available colors)
- Properly apply (paint) new depth markers and "No Diving" markers and any other required markers per local, state and federal codes.
- Provide a 2-year written warranty covering new deck coating against delamination. Warranty shall cover both labor and warranty. Contractor shall be on premises within 24 hours of notification and schedule repairs to suit the City's schedule.

#### **2.0 PAYMENT AND BID:**

- 2.1 Bidders will comply with all local, state, and federal laws and ordinances governing said work including the Occupational Safety and Health Act of 1970.**
- 2.2 By submitting a proposal, the firm is attesting that they are an Equal Opportunity Employer.**
- 2.3 The City of Greenville has adopted an Affirmative Action Program. Firms submitting a proposal are attesting that they also have taken affirmative action to ensure equality of opportunity in all aspects of employment.**

**2.4 Minority and/or Women Business Enterprise (MWBE) Program**

It is the policy of the City of Greenville to provide minorities and women equal opportunity for participating in all aspects of the City's contracting and procurement programs, including but not limited to, construction projects, supplies and materials purchase, and professional and personal service contracts. In accordance with this policy, the City has adopted a Minority and Women Business Enterprise (M/WBE) Plan and subsequent program, outlining verifiable goals.

The City has established a 4% Minority Business Enterprise (MBE) and 4% Women Business Enterprise (WBE) goal for the participation of M/WBE firms in supplying goods and services for the completion of this project. All firms submitting bids agree to utilize minority and women-owned suppliers and service providers whenever possible.

Questions regarding the City's M/WBE Program should be directed to the M/WBE Office at (252) 329-4862.

**2.5 The City of Greenville reserves the right to reject any and all bids, to waive any informalities and to accept the bid if seems most advantages to the City. Any bid submitted will be binding for sixty (60) days after the date of the bid opening.**

**2.6 Equal Employment Opportunity Clause**

The City has adopted an Equal Employment Opportunity Clause, which is incorporated into all specifications, purchase orders, and contracts, whereby a vendor agrees not to discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin or ancestry. A copy of this clause may be obtained at the City Clerk's Office, City Hall, Greenville, NC. By submitting qualifications and/or proposals, the firm is attesting that they are an Equal Opportunity Employer. Federal law (Rehabilitation Act and ADA) prohibits handicapped discrimination by all governmental units. By submitting a proposal, the vendor is attesting to its policy of nondiscrimination regarding the handicapped.

**2.7 If needed, the contractor shall complete a new vendor application and any associated documents as required upon acceptance of this contract.**

**2.8 The contractor will develop a lump sum bid; that will include, but is not limited to all work, equipment, parts, and labor specified herein.**

**3.0 WORKERS COMPENSATION AND INSURANCE:**

**3.1 The contractor shall maintain during the life of this contract, Worker's Compensation Insurance for all employees working at the project site under this contract, or as otherwise required by North Carolina General Statutes.**

**3.2 The Contractor shall have in place for the life of this contract public liability and property damage insurance and shall protect the City of Greenville from claims for damage or personal injury, which may arise from operations under this contract. The amounts of such insurance shall not be less than \$500,000 for injuries subject to the same limit per person and \$1,000,000 for property damage or otherwise needed**

to protect the interests of the owner. The Contractor awarded this contract is to provide a Certificate of Insurance showing the City of Greenville named as an additionally insured on all coverage. All insurance shall be maintained during the duration of the contract.

### **3.3 OTHER INSURANCE:**

The contractor shall furnish such additional insurance as may be required by the General Statutes of North Carolina, including motor vehicle insurance in amounts not less than statutory limits.

### **4.0 CANCELLATION:**

- 4.1 Each certificate of insurance shall bear the provision that the policy cannot be altered or canceled in less than ten (10) days after mailing written notice to the assured of such alteration or cancellation, sent registered mail.**
- 4.2 The contractor shall furnish the owner with satisfactory proof of insurance required before written approval of such insurance is granted by the owner.**
- 4.3 Executed contract documents, insurance certifications, invoices and other information requested, are to be sent to:**

*Mike Watson, Parks Coordinator  
City of Greenville  
2000 Cedar Lane  
Greenville, N.C. 27835  
Email: [mwatson@greenvillenc.gov](mailto:mwatson@greenvillenc.gov)*

### **5.0 DAMAGE TO CONTRACTORS PROPERTY:**

- 5.1 The City of Greenville shall be under no obligation to replace or in any way compensate the contractor for fire, theft, vandalism or any other casualty, injury or damage to equipment or property belonging to the contractor while on City property.**
- 5.2 The successful bidder agrees to indemnify or hold harmless the City of Greenville from and against any liability, loss, cost, damage suit, claim, or expense arising occurrence on the part of the successful bidder to include its officers, servants, agents or employees arising from its activities, operations, and performance of services while on City property and further agrees to release and discharge the City of Greenville and its Agents from all claims or liabilities arising from or caused by the successful bidder in fulfilling its obligations under this Agreement.**
- 5.3 It is understood and agreed by the parties that the City of Greenville will assume no liability for damages, injury, or other loss to the successful bidder, its employees or property, tools or equipment, or to other persons or properties located on City facilities resulting from the successful bidder's activities and operations while performing those service enumerated herein. The successful bidder shall assume full and complete liability for any and all damages on City or private properties caused by or resulting from its activities, operations, and that of its employees, agents and officers.**

## **6.0 ADDENDUM**

**6.1 Addendum/Amendment:** Any changes to the specifications will be issued as a written addendum. No oral statements, explanations, or commitments by whosoever shall be of any effect. The contract may be amended from time to time through written agreement by both parties.

## **7.0 LOCAL PREFERENCE POLICY**

**7.1** The City of Greenville has adopted a Local Preference Policy, Resolution No. 056-13, and a Professional and other Services Policy, Resolution No. 057-13 that will pertain to this project. For more information, please see the City of Greenville's webpage at [www.greenvillenc.gov/financialservices/purchasingdivision](http://www.greenvillenc.gov/financialservices/purchasingdivision).

## **8.0 E-VERIFY COMPLIANCE**

**8.1** The Contractor shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Further, if the Contractor utilizes a Subcontractor, the Contractor shall require the Subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. By submitting a proposal, The Proposer represents that their firm and its Subcontractors are in compliance with the requirements of Article 2 Chapter 64 of the North Carolina General Statutes.

## **9.0 IRAN DIVESTMENT ACT**

**9.1** Vendor certifies that; (i) it is not identified on the Final Divestment List or any other list of prohibited investments created by the NC State Treasurer pursuant to N.C.G.S. 143-64-4; (ii) it will not take any actions causing it to appear on any such list during the term of this Purchase Order, and (iii) it will not utilize any subcontractor to provide goods and services hereunder that is identified on any list.

**9.2** All firms that are submitting a bid are required to complete the Iran Divestment Act Certification form included as Attachment A and shall be included with the bid package. Failure to include the form may deem the bid unresponsive.



**10.0 REFERENCE INFORMATION**

All bidders shall provide a list of three (3) client references of similar work. The reference information shall include the company's name, a contact person's name with his or her title and their telephone number. Contractor shall provide the information below with their bid sheet. Contractor shall be experienced in projects of similar construction.

1. Company name: \_\_\_\_\_

Contact person: \_\_\_\_\_

Title: \_\_\_\_\_ Phone No. \_\_\_\_\_

2. Company name: \_\_\_\_\_

Contact person: \_\_\_\_\_

Title: \_\_\_\_\_ Phone No. \_\_\_\_\_

3. Company name: \_\_\_\_\_

Contact person: \_\_\_\_\_

Title: \_\_\_\_\_ Phone No. \_\_\_\_\_

**11.0 CONTRACTOR INFORMATION**

Contractor shall provide the information below with the bid sheet.

**CITY OF GREENVILLE  
NORTH CAROLINA  
PROSPECTIVE CONTRACTOR DATA FORM**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Mobile Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_ Business Fax Number: \_\_\_\_\_

Tax ID# \_\_\_\_\_

Corporation or Partnership: \_\_\_\_\_

Number of Years in Business: \_\_\_\_\_

**CITY OF GREENVILLE  
RECREATION & PARKS DEPARTMENT  
REQUEST FOR BIDS**

In compliance with the request for bids by the City of Greenville and subject to all conditions and specifications thereof, the undersigned offers and agrees to furnish all equipment, labor and work site clean-up as provided in the above mentioned specifications.

**POOL RESURFACING – GREENVILLE AQUATICS & FITNESS CENTER**

<b>BASE BID:</b>	
<b>Labor &amp; Material to Resurface the Pool</b>	<b>\$</b>
<b>Labor &amp; Material to Repair Existing Pool Deck</b>	<b>\$</b>
<b>Total Base Bid</b>	<b>\$</b>

<b>ALTERNATE #1</b>	
<b>In lieu of repairing the existing deck, provide Labor &amp; Material to Remove the existing deck finish and Install New Water-Borne Epoxy Coating system</b>	<b>\$</b>

**Addenda Received:** \_\_\_\_\_

**Bid reviewed, prepared and submitted by:**

**Company Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Signed:** \_\_\_\_\_ **Print Name:** \_\_\_\_\_

ANTI-SLIP  
COATINGS**AMERICAN SAFETY**  
TECHNOLOGIES**PS-100 WB**

Low V.O.C., Water-Based Epoxy Primer/Sealer

Technical Bulletin # 2012A

**Product Description**

**PS-100 WB** is a two-component epoxy primer/sealer designed to increase the adhesion and coverage of American Safety Technologies flooring products on concrete, wood, tile and other porous substrates. The low odor and low VOC formula make it ideal for use in kitchens, hospitals, & beverage plants.

Easy to apply the **PS-100 WB** is abrasion resistant and resists most mild acids and alkalis, salts, gasoline and oils. It dries quickly, ensuring good adhesion with topcoats.

**Surface Preparation**

**PS-100 WB** can be applied to any clean, dry porous surface. It is not to be used on metal. Recommended methods of cleaning are as follows:

**CONCRETE:** New concrete should be wet cured for at least three days and allowed to dry with good ventilation for an additional thirty days. After proper curing, new floors must be swept clean and all contaminants which might interfere with the adhesion of the coating system including laitance, curing membranes, surface hardeners, greases and oils should be removed. An appropriate profile must be created using chemical or mechanical means such as portable shot blasting..

Chemical cleaning of laitance and loose particles can be accomplished by etching the surface with muratic acid or a buffered acid solution. Follow acid manufacturer's application and safety instructions. After the acid has finished reacting with the concrete the residue should be removed by a liberal fresh water rinse or preferably by power washing. Allow the surface to dry completely.

**NOTE:** Acid etching will not remove oil, grease or wax. If the acid does not bubble or foam on the concrete the surface should be examined for films of oil, grease, wax, curing membranes, hardeners or other sealers. If such film is present, it must be removed.

**PREVIOUSLY PAINTED SURFACES:** The performance of American Safety Technologies coatings applied over previously painted surfaces is directly influenced by the type, age and condition of the old coating. Hard or glossy paints should be dulled by sanding, abrasive blasting or other abrasive methods to assure maximum adhesion.

A test patch should be applied to check for lifting or wrinkling of the old coating. If wrinkling or lifting occurs after overnight drying, remove the old coating.

**WOOD FLOORS:** Remove any weathered wood to expose a clean solid substrate. Smooth wood must be sanded to ensure proper mechanical bonding.

**TILE AND FIBERGLASS:** Glazed or ceramic tile and fiberglass must be sanded to completely remove all glazing to ensure a good mechanical bond. Remove any residual sanding dust by air blowing or wiping with alcohol.

**Application Instructions**

1. **PS-100 WB** is a two-part epoxy. Pour the hardener into the container of base material and mix thoroughly with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade for 3 – 5 minutes. Apply by using a short nap roller or brush.
2. Apply primer with a short nap mohair paint type roller or brush. Apply uniformly. To spray airless, air assisted or conventional equipment may be used.
3. All American Safety Technologies topcoats can be successfully applied to a primed surface after 6 hours at 70°F (21°C).

Clean tools and spray equipment immediately after completing installation using soap and water.

**IMPORTANT**

Unlike conventional epoxies **PS-100 WB** will not harden in the can. It will remain liquid after its 2 hour potlife. Therefore, no material should be used 2 hours after mixing as it will not cure properly.

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## Specifications

V.O.C.: 1 lb per gal. (120 grams/liter)  
VOLUME SOLIDS (%): 40%  
POT LIFE: 2 hours @ 70°F (21°C)  
WEIGHT PER GALLON: 8.8 lbs per gal. (1.1 kg./liter)  
FLASH POINT: None  
DRY TIME: To Recoat - 6 hours @ 70°F (21°C)  
Up to 7 days  
ESTIMATED COVERAGE: 320 sq. ft./gal. (2 mils DFT)  
PACKAGING: 1 gallon kits  
SHELF-LIFE: 2 years in unopened container

Date February, 2013

<p><b>General:</b> Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult your local distributor for product availability, additional product information, and technical support.</p> <p><b>Warranty:</b> ITW Polymers Coatings North America, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after product shipment.</p> <p><b>Warranty Claims:</b> If any product fails to meet the above, Polymers Coatings North America will, at its option, either replace the product or refund the purchase price. ITW Polymers Coatings North America will have no other liability for breach of warranty, negligence, or otherwise. All warranty claims must be made in writing within one year of the date of shipment. No other claims will be considered.</p> <p><b>Disclaimer:</b> ITW Polymers Coatings North America makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose.</p>	<p>Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. ITW Polymers Coatings North America's sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at ITW Polymers Coatings North America's election. Under no circumstances shall ITW Polymers Coatings North America be liable for any indirect, incidental or consequential damages.</p> <p><b>Modification of Warranty:</b> No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Polymers Coatings North America. No term of any purchase order shall serve to modify any provision of this document.</p> <p><b>Mediation and Arbitration:</b> If any dispute arises relating to products or product warranties, either the purchaser or ITW Polymers Coatings North America may a) initiate mediation under the then current Center for Public Resources (CPR) Model Procedure for Mediation of Business Disputes, or b) initiate a non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.</p>
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## Non-Slip Floor and Deck Coating

Technical Bulletin # 2004A

**Product Description**

**AS-175** is a two-part water-borne epoxy coating combined with a tough fine grain abrasive to produce a self-sealing, non-slip floor and deck coating. Enhanced clean-ability, chemical resistance and good coverage rate are but a few of the reasons **AS-175** is the first choice for low-profile applications.

**AS-175** is ideal for recreation areas as well as industrial and institutional facilities where use of a water-based coating is desirable. Refer to American Safety Technologies Chemical Resistance Table for detailed performance data.

**Surface Preparation**

**CONCRETE:** Remove oil, grease, dirt, wax, etc..., by dissolving with a commercial grade cleaner/degreaser then flush the area thoroughly with clean water and allow it to dry. Remove all paint films, laitance, and loose concrete by scarification or shot blasting. Patch any holes or significant defects with PolySpec<sup>®</sup> RezRok 105 Patching Compound. Smooth or glazed surfaces should be roughened and new concrete should cure at least 30 days with good ventilation prior to application. Form release agents, hardeners, sealer, etc... will interfere with adhesion and must be removed. Prime the surface with PS-100 WB Water-based primer.

**METAL:** All surfaces must be clean, dry and free of surface contamination. Remove all deposits of oil and grease using Solvent Cleaning method SP-1. All previous coating, rust and mill scale should be removed. Abrade the surface in accordance to a Commercial Grade SP-6. Blasted surfaces should be primed immediately with MS-7CZ Industrial Primer.

**WOOD/ FIBERGLASS:** A clean sound surface is required. Remove any dirt or oils from the surfaces with a commercial cleaner/degreaser and allow the surface to dry. Follow with sanding to remove loose or deteriorated surface and to obtain the proper surface profile. For wood prime the surface with PS-100 WB Water-based Primer. For fiberglass use the MS-7CZ Industrial Primer for the best adhesion.

**Application Techniques**

**AS-175** is designed to be applied over a primer or sealer.

1. Thoroughly pre-mix base component with a mechanical mixer such as a pneumatic drill motor with a Jiffy<sup>®</sup> mixing blade making sure all settlement is lifted off the bottom of the container and is uniformly dispersed and assumes a uniform color and appearance.
2. Pour entire contents of hardener can into base material. Mix hardener and base material with a Jiffy<sup>®</sup> mixing blade for approximately 3-5 minutes or until mixed material assumes a uniform color and appearance. No induction time is required.
3. **AS-175** should be applied at surface temperatures between 50°F and 120°F and applications outside that range are not recommended. Exterior applications must be protected from rain for at least 24 hours after application. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

**ROLLER:** Rolled applications provide the most aggressive non-slip characteristics with an irregular, ridged profile.

1. Using a phenolic core roller it is important that the rolled profile expose the maximum amount of non-slip aggregate. If the aggregate is not properly exposed the coating may become slippery when wet.
2. Pour a ribbon of **AS-175** on the surface approximately 2' long and 6" wide. Roll material in one direction only, in slow straight strokes pulling material toward you with a moderate amount of pressure. Do not over-roll too many times or press down too heavily. Be careful that material does not build up too thickly along welds. Material applied too thickly may not properly cure.

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3. Work small sections at a time and make the final pass with the roller in one direction to give an even texture and to help eliminate lap marks. Rollers should be washed or changed after 1 to 1.5 hours of use. Light colors will hide contrasting colors better if applied in 2 coats. For second coat, use bristle roller; allow minimum of 4 hours between coats.

**SPRAY:** Sprayed applications will result in a uniform appearance with good non-slip characteristics.

1. AS-175 should not be thinned. Thinning could result in grit not remaining properly in suspension. Specialized mastic type spray equipment is required. A recommended set-up is as follows:
  - a. A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe.
  - b. 25 feet of 3/8" air hose with 3/8" female connectors at each end.
  - c. 25 feet of 3/4" material hose with 3/4" female connectors at each end.
  - d. A Binks Model 7E2 spray gun equipped with 1/4" (#45) fluid nozzle and a 1/4" internal air cap or a Binks Model 52-2012 (4 foot) pole gun equipped with the same fluid nozzle and air nozzle.
2. Minimum air supply required is 20 CFM at 90 lbs. pressure. Recommended pressure is 15-20 psi on material and 20-25 psi on atomization. Always keep atomization air pressure higher than pot pressure with constant agitation. Good coverage and film thickness will be obtained working at 18"-24" from surface. Overlap strokes about 50%. Make sure of wet application. Very little abrasive rebound will be noticed at 15 psi; however, it will be more noticeable at higher pressure.
3. When temperature is above 80.F, it is advisable to flush the spray equipment with water every hour or so in order to prevent the possibility of any material setting up and plugging the equipment.

### Surface Maintenance

Maintain a clean surface to ensure the anti-slip performance of the AS-175 is maximized. The following cleaning procedure is recommended.

1. Foreign matter such as chewing gum should be removed with a scraper or putty knife. Then apply an all purpose, biodegradable cleaner/degreaser that can be mixed with water to the surface.
2. Scrub surface with a long-handled, fiber bristled brush or floor machine.
3. Rinse with clean water and dry.

Although extremely durable, AS-175 is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

### Specifications

VOC:	0.5 lbs. per gallon (60 grams/liter)
VOLUME SOLIDS (%):	63%
POT LIFE:	1 hour @ 70°F (21°C)
DRY TIME:	Light Traffic - 24 hours @ 70°F (21°C) Heavy Traffic - 72 hours @ 70°F (21°C)
ESTIMATED COVERAGE:	90 sq. ft. per gallon – roller 120 sq. ft. per gallon – spray
WEIGHT PER GALLON:	12.2 lbs. per gallon (1.47 kg/liter)
FLASH POINT:	N/A
COEFFICIENT OF FRICTION ASTM F609:	Dry - 0.78 Wet - 0.86
PACKAGING:	1 gallon kits
SHELF-LIFE:	2 years in unopened container
STANDARD COLORS:	Black, Lt. Gray, Beige, Neutral & White Tint base

**Application Notes**

Only use an approved water-based tinting system. The white tint base should receive no more than 8 fluid oz. of tint and the neutral base 12 fluid oz. high amount of colorants can affect viscosity, cure time and ultimate strength of the product. After colorant has been added, material must be shaken for a minimum of 5 minutes to blend in pigment. Premixing with a drill prior to application is also recommended. A test area should be applied so color and appearance can be verified.

**Date** February 2013

<p><b>General:</b> Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult your local distributor for product availability, additional product information, and technical support.</p> <p><b>Warranty:</b> ITW Polymers Coatings North America, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after product shipment.</p> <p><b>Warranty Claims:</b> If any product fails to meet the above, Polymers Coatings North America will, at its option, either replace the product or refund the purchase price. ITW Polymers Coatings North America will have no other liability for breach of warranty, negligence, or otherwise. All warranty claims must be made in writing within one year of the date of shipment. No other claims will be considered.</p> <p><b>Disclaimer:</b> ITW Polymers Coatings North America makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose.</p>	<p>Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. ITW Polymers Coatings North America's sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at ITW Polymers Coatings North America's election. Under no circumstances shall ITW Polymers Coatings North America be liable for any indirect, incidental or consequential damages.</p> <p><b>Modification of Warranty:</b> No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Polymers Coatings North America. No term of any purchase order shall serve to modify any provision of this document.</p> <p><b>Mediation and Arbitration:</b> If any dispute arises relating to products or product warranties, either the purchaser or ITW Polymers Coatings North America may a) initiate mediation under the then current Center for Public Resources (CPR) Model Procedure for Mediation of Business Disputes, or b) initiate a non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.</p>
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**\*\*Contractor, Vendor or Bidder – Return This Form With All Other Required Documentation\*\*\*\***

**IRAN DIVESTMENT ACT CERTIFICATION REQUIRED BY N.C.G.S.  
143C-6A-5(a)**

Name of Contractor, Vendor or Bidder: \_\_\_\_\_

As of the date listed below, the contractor, vendor or bidder listed above, and all subcontractors utilized by the contractor, vendor or bidder listed above, is not listed on the Final Divestment List created by the State Treasurer pursuant to N.C.G.S. 143-6A-4.

The undersigned hereby certifies that he or she is authorized by the contractor, vendor or bidder listed above to make the foregoing statement.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

***Notes to persons signing this form:***

N.C.G.S. 143C-6A-5(a) requires this certification for bids or contracts with the State of North Carolina, a North Carolina local government, or any other political subdivision of the State of North Carolina. The certification is required at the following times:

- When a bid is submitted
- When a contract is entered into (if the certification was not already made when the vendor made its bid)
- When a contract is renewed or assigned

N.C.G.S. 143C-6A-5(b) requires that contractors with the State, a North Carolina local government, or any other political subdivision of the State of North Carolina must not utilize any subcontractor found on the State Treasurer's Final Divestment List. The State Treasurer's Final Divestment List can be found on the State Treasurer's website at the address [www.nctreasurer.com/iran](http://www.nctreasurer.com/iran) and will be updated every 180 days.

**\*\*Contractor, Vendor or Bidder – Return This Form With All Other Required Documentation\*\*\*\***