



Informal Bid Request #23-24-14

Project:

Interior Upgrades - Painting
Guy Smith Stadium
Greenville, NC

Scope of Work:

Provide material and labor to prep and paint interior surfaces located at Guy Smith Stadium.

Special Conditions:

Work must comply with all OSHA safety guidelines.

Contractor responsible for all needed paper work to obtain required permits. All permits must be posted prior to the commencement of work.

Mandatory Pre-bid Meeting & Site Visit will be held on Thursday, August 24, 2023 at 10:00 AM

Work Location:

Guy Smith Stadium
1000 Moye Blvd
Greenville, NC

Bid Submittal Deadline:

Thursday, August 31, 2023 @ 2:00 PM

Via email to: mwatson@greenvillenc.gov

INVITATION FOR INFORMAL BID ON

GUY SMITH STADIUM INTERIOR UPGRADES - PAINTING

INSTRUCTIONS FOR BIDDERS

The person, firm or corporation making a proposal shall submit a bid to *Mike Watson, Parks Coordinator*, on or before the hour and day stated on the attached bid request form. The preferred method of delivery of the bid is by email to mwatson@greenvillenc.gov. The bid may also be mailed hand delivered to the Jaycee Park Administrative office located at 2000 Cedar Lane, Greenville, N.C., 27835 and must be received prior to the submittal deadline time and date stated and shall have the words *Bid Enclosed, GSS Interior Painting Attn: Mike Watson* along with the company name on the outside of the envelope.

All mailed or hand delivered bids received in the office will be marked with the date and time they are received by reception staff. Bids will not be opened and read aloud. The bids will be opened and evaluated and a tabulation sheet will be available upon request once the contract is awarded to the successful bidder.

The bidder shall include the required responses and supply all the information as indicated on the Bid Form, Attachment A. The prices inserted shall be net and shall be the full cost including all factors whatsoever. Any bids not submitted on such forms provided will be considered unresponsive.

No bid may be changed or withdrawn after the time of the opening. Any modifications or withdrawals requested before this time shall be acceptable only when such request in writing is made to *Mike Watson, Parks Coordinator*.

The City of Greenville reserves the right to reject any and all bids, to waive any formalities, and to accept the bid or any portion thereof that is deemed most advantageous to the City. Any bid submitted will be binding for 60 days after the opening.

The scope of work attached represents the minimum specification or description of work to be purchased or contracted. These requirements are not intended to prevent fair responses or to eliminate competition, but they are intended for the protection of each and every proposer to insure, if possible, that all bids submitted shall be upon a fair and comparable basis.

It is expressly understood by the bidders that written notice of award and/or receipt of purchase order will constitute agreement by the City to consummate the transaction

and will serve together with the proposal, scope of work, and these instructions as the entire form of contract between the parties except in cases where formal contracts are warranted.

All work shall be FOB, Greenville, N. C.

Each bidder shall affirm that no official or employee of the City of Greenville is directly or indirectly interested in this proposal for any reason of personal gain.

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.

New vendors must register with the City of Greenville's online portal at the following link: <https://selfservice.greenvillenc.gov/vss>

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 purchases, 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 10% Minority Business Enterprise (MBE) and 6% Women Business Enterprise (WBE) goal for the participation of MWBE firms in supplying goods and services for the completion of this project. All firms submitting bids agree to utilize minority and women-owned firms whenever possible.

Questions regarding the City's MWBE Program should be directed to Tish Williams, MWBE Coordinator, at (252) 329-4462.

Equal Employment Opportunity Clause:

The City of Greenville, NC is an equal opportunity employer and strictly prohibits discrimination against any employee or applicant for employment because of the individual's race, color, religion, age, gender, disability, national origin, genetic information, sexual orientation, gender identity/reassignment or expression, military or veteran status, marital status, or any characteristic protected by applicable law.

TITLE VI NONDISCRIMINATION NOTIFICATION:

The City of Greenville, NC in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 US.C. §§ 2000d to 2000d-4) and the Regulations, hereby 1178814- v4 7 notifies all respondents that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Insurance:

The Contractor agrees to purchase at its own expense insurance coverages to satisfy the following minimum requirements. Work under this contract shall not commence until all insurance required as listed has been obtained. Insurance required shall remain in effect through the life of this contract.

1. **Workers' Compensation Insurance:** No contractor or subcontractor may exclude executive officers. Workers Compensation must include all employees

Limits:

Workers Compensation: Statutory for the State of North Carolina.

Employers Liability: Bodily Injury by Accident \$1,000,000 each accident.

Bodily Injury by Disease \$1,000,000 policy limit.

Bodily Injury by Disease \$1,000,000 each employee.

2. **Commercial General Liability:**

Limits:

Each Occurrence:	\$1,000,000
Personal and Advertising Injury	\$1,000,000
General Aggregate Limit	\$2,000,000
Products and Completed Operations Aggregate	\$2,000,000

The aggregate limit must apply per project. The form of coverage must be the ISO CG 00 01 policy as approved by the State of North Carolina Department of Insurance. If a form of coverage other than the CG 00 01 is used it must be approved **Contractor**. Any endorsed exclusions or limitations from the standard policy must be clearly stated in writing and attached to the Certificate of Insurance. Completed Operations coverage must be maintained for the period of the applicable statute of limitations. Additionally,

the **Contractor** must be added as an Additional Insured to the Commercial General Liability policy.

3. **Commercial Automobile Liability:**

Limits: \$1,000,000 combined single limit.

4. **Cancellation:**

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.

5. **Proof of Carriages:**

- A. The **Contractor** shall provide the City with insurance industry standard ACCORD form Certificate(s) of Insurance on all policies of insurance and renewals thereof in a form(s) acceptable to the City prior to the commencement of services. Said policies shall provide that the City be an additional named insured.
- B. The City shall be notified in writing of any reduction, cancellation, or substantial change of policy or policies at least thirty (30) days prior to the effective date of said action.
- C. All insurance policies shall be issued by responsible companies who are acceptable to the City and licensed and authorized to do business under the laws of North Carolina

E-VERIFY COMPLIANCE: 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.

IRAN DIVESTMENT ACT: Vendor certifies that: (i) it is not on the Iran Final Divestment List created by the NC State treasurer pursuant to N.C.G.S. 147-86.58; (ii) it will not take any actions causing it to appear on said list during the term of any contract with the City, and (iii) it will not utilize any subcontractor to provide goods and services hereunder that is identified on said list.

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 may pertain to this project. For more information please see the City of Greenville's webpage at www.greenvillenc.gov/government/financial-services/purchasing.

Questions regarding any part of this proposal shall be directed via email to Mike Watson, Parks Coordinator, at mwatson@greenvillenc.gov. All bids shall be submitted on the attached bid submittal form, Attachment A.

EXHIBIT B

Guy Smith Stadium Interior Upgrades - Painting
Scope of Work

Scope

Provide labor and material for the preparation, repair, and painting of interior surfaces of Guy Smith Stadium. Preparation of surfaces shall be to industry standards and safe work practices shall be used when removing any old paint. Repair, seal or fill in all cracks in walls or floors with appropriate material or other areas as needed. All of the work shall be to industry standards.

Debris / Demolition

Any debris associated with the repair and painting shall be removed and properly disposed of offsite. Contractor is responsible for removing all paint chips from the site.

Material/Installation

1. Base bid will include work in the concourse area. Alternate #1 will be all work in the rooms of the "two wings" of the stadium. See Attachment B.
2. Contractor shall be responsible for all measurements.
3. Contractor shall be responsible for providing a safe work site at all times.
4. All areas of work shall be cleaned up and any material will need to be out of the way after work is completed for the day.
5. Contractor shall take caution to protect all areas associated with the work. Any damaged area to the site or building shall be repaired before final payment is issued.
6. Apply two coats of paint on all interior surfaces as directed which include: walls, doors, floors, stall doors, ceiling, windows, etc.
7. Include additive in paint to help prevent mold.
8. Preparation of all surfaces shall be done to industry standards and to paint manufacturer's instructions. Use safe work practices to remove any old paint or cleaning of the walls prior to painting.
9. Repair areas as needed and fill in all cracks located in the walls, window sills, floors, etc. appropriate material before painting.
10. Contractor will be responsible to move all items as needed to paint the walls and floors. All items belonging to J.H. Rose High School or other baseball equipment will be removed by others.

11. Paint shall be by Sherwin Williams or approved equal. See Attachment C for schedule of primer, paint, and data sheets. Safety data sheets available upon request.

Warranty

Provide a standard manufacturer's warranty on all paint and a 2 year labor warranty from the contractor on all labor and material.

ATTACHMENT A

Bid Form

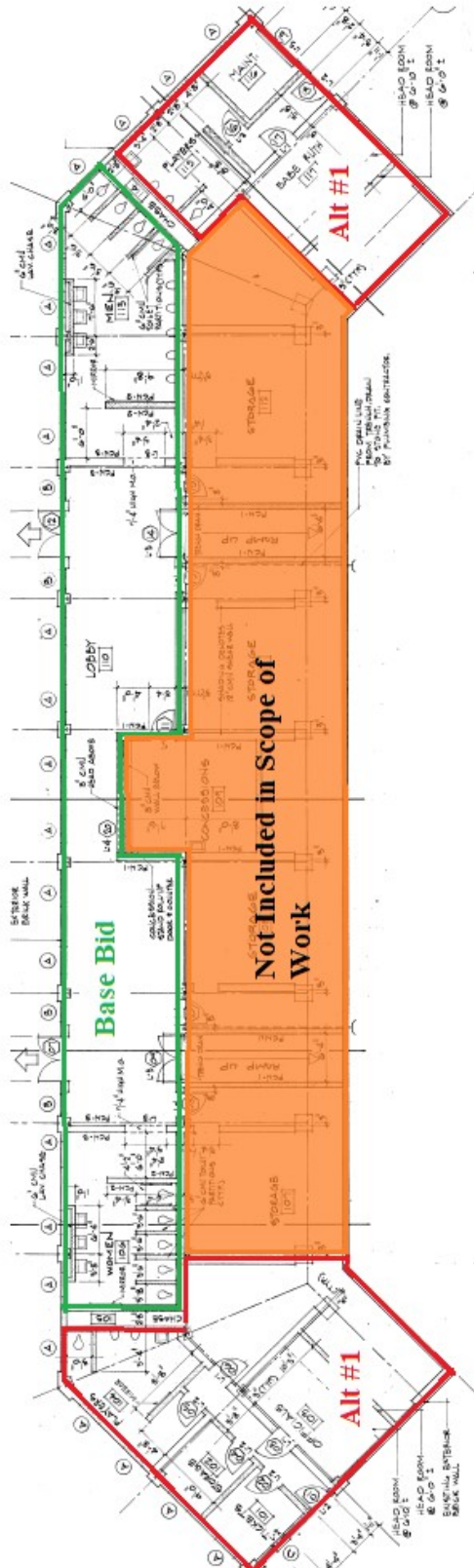
Guy Smith Stadium Interior Upgrade - Painting:

Contractor Name and Address: _____ _____ _____	
Phone Number: _____	Date: _____
Base Bid Amount:	\$ _____
Alternate #1 Bid Amount:	\$ _____
Addenda: _____	
Submitted by: _____	
Signature: _____	

Certificate of Insurance included: _____

BIDS ARE DUE BY 2:00 PM THURSDAY, AUGUST 31, 2023

ATTACHMENT B





Specification

Project Information

Presented By:
Michael Weimar
Sales Representative

(252) 378-5461
michael.p.weimar@sherwin.com

SHERWIN-WILLIAMS
303 E ARLINGTON BLVD
GREENVILLE, NC 27858 5017
(252) 756-6108

Interior Finishes

Wood - Interior

Finish: B54W00101 - Industrial Enamel

Plaster

Spot Prime: B79W08810 - ProBlock® Interior Oil-Based Primer

Finish: B54W00151 - Pro Industrial Urethane Alkyd Enamel

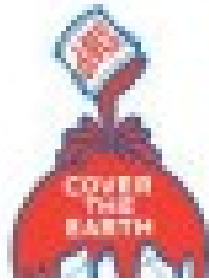
Steel/Ferrous Metal

Finish: B54W00151 - Pro Industrial Urethane Alkyd Enamel

Concrete Floor

Second Coat: B67W02001 - ArmorSeal® 1000 HS Epoxy (Part A) Extra White/Tint Base
Notes: Surface grinding required to coating

First Coat: B67W02001 - ArmorSeal® 1000 HS Epoxy (Part A) Extra White/Tint Base
Notes: Surface grinding required prior to coating



SHERWIN-W

Data Page



As of 07/25/2017, Complies with:			
OTC	No	LEED® v3 NC, CI	No
OTC Phase II	No	LEED® v3 CS	No
BCADMD	No	LEED® v3 S	No
CARB	No	LEED® v4 Green	No
CARB SCM 2007	No	LEED® v4 VOC	No
Canada	No	MPI	

CHARACTERISTICS

INDUSTRIAL ENAMEL is a medium oil/alkyd all-purpose enamel. Designed for interior and exterior use.

Features:

- Good exterior durability
- High gloss coating
- Excellent application properties
- Exterior/interior all-purpose enamel
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel
- Concrete
- Wood
- Plaster
- Primed aluminum & galvanized steel
- Previously painted

Recommended for use in:

- Interior / exterior
- New construction
- Railings/frames
- Machinery
- Structural steel
- Steel doors
- Steel supports
- Equipment
- Repaints
- Storage tanks
- Bar joists
- Pipe marking
- Fire escapes
- Conveyors

Tinting with BAC or Maxtint®:

Base oz/gal strength

SPECIFIC

Color: Pure White, Deep Base, Ultradeep Base,
Recommended Spread Rate per coat: Pure W

wet mils:

dry mils:

coverage:

Theoretical coverage: 689 sq ft/gal @ 1

Drying Schedule @ 4.8 mils wet, 60% RH:
@ 60°F/10°C

To touch: 3 hours

Tack free: 8 hours

To recoat: 12 hours

To cure: 7 days

Drying and recoat times are temperature, humidity, and

RECOMMEND

Steel & Rusted Galvanized,
acrylic primer:

1ct. Pro Industrial Pro-Cryl Primer

2cts. Industrial Enamel

Steel alkyd primer:

1ct. Kem Bond HS

Or

1ct. Kem Kromik Universal Metal Primer

2cts. Industrial Enamel

Aluminum/Galvanized waterbased primer:

1ct. DTM Wash Primer

2cts. Industrial Enamel

The systems listed above are representative of the product's use

INDUSTRIAL ENAMEL

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

Galvanized Steel - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP15 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Primer required.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Block Surfer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or fill-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat alkali resistant primer, following label recommendations. Primer required.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Other substrates may or may not be appropriate. If a specific substrate is not listed above, consult your Sherwin-Williams representative for more information.

APPLICATION PROCEDURES



**SHERWIN
WILLIAMS.**

As of 03/06/2017. Complies with:			
OTC	Yes	LEED® v4 NC, CI	No
OTC Phase II	No	LEED® v4 US	No
SCAQMD	No	LEED® v4 H	No
CARB	Yes	LEED® v4 Emissions	No
CARB SCM 2007	No	LEED® v4 VOC	No
Canada	Yes	MPI	Yes

DESCRIPTION

- Seals out:
 - water sensitive stains
 - dried water stains
 - smoke stains and related odors
 - grease, ink, and pencil stains
- Quick drying
- Assures uniform appearance of topcoats

Use on these stained surfaces:

- Drywall
- Wood
- Cured Plaster
- Ceiling Tiles
- Paneling
- Nonporous Wallcovering
- Previously Painted surfaces

CHARACTERISTICS

Color: White

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 2.2 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 30 minutes

Recoat: 60 - 90 minutes

Drying and recoat times are temperature, humidity and film thickness dependent.

Finish: 5-20 units @ 85°

Flash Point: 62°F, PMCC

Vehicle Type: Linseed Vinyl Toluene

B79W08810

VOC (less exempt solvents):

347 g/L; 2.89 lb/gal

Volume Solids: 55 ± 2%

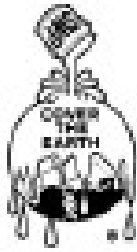
Weight Solids: 76 ± 2%

Weight per Gallon: 12.35 lb

WVP Perms (US) 1.4
grains/(hr ft² in Hg)

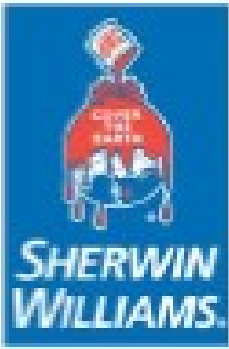
Tinting

Requires Blend-A-Color Toner for tinting. For best color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of Blend-A-



**SHERWIN
WILLIAMS.**

<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>
<p>Drywall Fill cracks and nail holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.</p> <p>Plaster Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.</p> <p>Wood Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.</p> <p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning</p>	<p>Do not reduce for stain blocking. Apply at temperatures above 50°F. No reduction needed.</p> <p>Brush Use a natural bristle brush.</p> <p>Roller Use a 1/4" - 1/2" nap synthetic or mohair roller cover.</p> <p>Spray - Airless Pressure 2000 psi Tip.....015"-017"</p> <p><u>CLEANUP INFORMATION</u> Clean spills, spatters and tools immediately after use with compliant cleanup solvent. Follow manufacturer's safety recommendations when using solvents.</p> <p>DANGER Rags, steel wool, other waste soaked with this product and cleaning solution</p>



PRO

INDUSTRIAL™

As of 05/12/2017, Complies with:			
OTC	Yes	LEED® 00 NC/GI	No
OTC Phase II	No	LEED® 00 CS	No
SCAQM0	No	LEED® 00 H	No
CARB	No	LEED® v4 Emissions	No
CARB SCM 2007	No	LEED® v4 VOC	No
Canada	Yes	MPI	

CHARACTERISTICS

Pro Industrial Urethane Alkyd Enamel is a high gloss coating intended for interior/exterior use in industrial environments. It is easy to brush, roll or spray. Provides performance comparable to silicone alkyds.

- Modified with urethane resin for increased exterior durability
- Resistant to chipping and flaking
- Resists premature yellowing compared to conventional alkyds
- Abrasion resistance
- Appropriate for interior and exterior applications
- Excellent application characteristics
- Suitable for use in USDA inspected facilities

Color: Most Colors
Recommended Spread Rate per coat:
 Wet mils: 3.5 - 7.0
 Dry mils: 2.0 - 4.0
 Coverage: ~231 - 462 sq ft/gal

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 4.0 mils wet 50% RH:

	45°F	77°F	120°F
To touch:	4 hrs	2½ hrs	30 min
Walk free:	10 hrs	4 hrs	2 hrs

RECOMMENDED

Steel (alkyd primer):
 1 ct. Kem Bond HS Primer
 1-2 cts. Pro Industrial Urethane Alkyd

Aluminum:
 1 ct. DTM Wash Primer
 1-2 cts. Pro Industrial Urethane Alkyd

Galvanized Metal:
 1 ct. Galvite HS
 1-2 cts. Pro Industrial Urethane Alkyd

Concrete Block:
 1 ct. Heavy Duty Block Filler
 1-2 cts. Pro Industrial Urethane Alkyd

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
 1 ct. Kem Bond HS Primer
 1 ct. Pro Industrial Urethane Alkyd En

Abrasion
Method: ASTM D4060, C517 wheel,
 1000 cycles, 1 kg load
Result: 175 mg loss

PRO INDUSTRIAL™ URETHANE ALKYD ENAMEL

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (In US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum (Untreated) - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

Galvanized Steel (Untreated) - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Primer required. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Masonry and Concrete—For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Laitance must be removed. Brick must be allowed to weather for one year prior to surface preparation and painting. Primer required.

Wood - Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material.



ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL

PART A
PART B

Revised: July 9, 2018

PRODUCT INFORMATION

PRODUCT DESCRIPTION

ARMORSEAL 1000 HS is a high solids, heavy duty, two-component, catalyzed, polyamide epoxy coating formulated for demanding marine and industrial requirements. Dries rapidly to a tough, high gloss finish with excellent resistance to alkalis, abrasion, corrosion, and chemical attack.

- Chemical Resistant
- Impact Resistant
- Abrasion Resistant
- Outstanding application properties

PRODUCT CHARACTERISTICS

Finish:	Gloss
Color:	Clear, Haze Gray, Deck Gray, White, Sandstone, Tile Red, Safety Yellow, and a wide range of tinted colors
Volume Solids, mixed:	colors - 65% ± 2% may vary by color clear - 61% ± 2%
Weight Solids, mixed:	74% ± 2%, may vary by color
VOC (EPA Method 24), mixed, may vary by color:	Unreduced: <340 g/L; 2.8 lb/gal
colors	<400 g/L; 3.33 lb/gal
clear	
Mix Ratio:	1:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	5.0 (125)	8.0 (200)
Dry mils (microns)	3.0 (75)	5.0 (125)
~Coverage sq ft/gal (m ² /L)	206 (5.0)	350 (8.6)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dry	1040 (25.5)	

NOTE: Rough or mill application may require multiple coats to

RE

- For industrial, commercial duty epoxy coating
- Superior resistant impact
- Excellent resistant solvents, chemical
- Clear finish for interior
- Suitable for use in

PERFORM

Substrate*: Concrete
Surface Preparation
System Tested*:
1 ct. ArmorSeal 10
1 ct. ArmorSeal 10
*unless otherwise noted

Test Name

Abrasion
Resistance

Adhesion, over
concrete

Direct Impact
Resistance (steel)

Dry Heat
Resistance

Flexibility (steel)



ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL

PART A
PART B

Revised: July 9, 2018

PRODUCT INFORMATION

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- Chemical Resistant
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PRODUCT CHARACTERISTICS

Finish:	Gloss
Color:	Clear, Haze Gray, Deck Gray, White, Sandstone, Tile Red, Safety Yellow, and a wide range of tinted colors
Volume Solids, mixed:	colors - 65% ± 2% may vary by color clear - 61% ± 2%
Weight Solids, mixed:	74% ± 2%, may vary by color
VOC (EPA Method 24), mixed, may vary by color:	Unreduced: <340 g/L; 2.8 lb/gal
colors	<400 g/L; 3.33 lb/gal
clear	
Mix Ratio:	1:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	5.0 (125)	8.0 (200)
Dry mils (microns)	3.0 (75)	5.0 (125)
~Coverage sq ft/gal (m ² /L)	206 (5.0)	350 (8.6)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	1040 (25.5)	

NOTE: Brush or roll application may require multiple coats to

RECOMMENDATIONS

- For industrial, commercial duty epoxy coating
- Superior resistance to impact
- Excellent resistance to solvents, chemical
- Clear finish for interior
- Suitable for use in

PERFORMANCE

Substrate*: Concrete
Surface Preparation System Tested*:
1 ct. ArmorSeal 10
1 ct. ArmorSeal 10
*unless otherwise noted

Test Name

Abrasion
Resistance

Adhesion, over
concrete

Direct Impact
Resistance (steel)

Dry Heat
Resistance

Flexibility (steel)



ArmorSeal Heavy Duty Floor Coatings

ARMORS

PART A
PART B

Revised: July 9, 2018

APPLICATION BULLETIN

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel (atmospheric service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.

Follow the standard methods listed below when applicable:

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
- SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
- ICRI No. 310.2R Concrete Surface Preparation.

APPLI

Temperature:

Relative humidity:

APPLI

The following is a guide to be needed for proper equipment before use compliant with existing environmental

Reducer/Clean Up ...

Airless Spray

- Pressure.....
- Hose.....
- Tip
- Filter
- Reduction.....

Brush

- Nylon/Polyester or T.....
- Reduction.....

Roller

- Cover
- Reduction.....



ArmorSeal Heavy Duty Floor Coatings

ARMORS

PART A
PART B

Revised: July 9, 2018

APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mix contents of each component thoroughly with low speed power agitation. Combine one Part A with one Part B by volume and mix for 3 minutes and until uniform. Allow the material to sweat-in as indicated. Re-stir before using.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	5.0 (125)	8.0 (200)
Dry mils (microns)	3.0 (75)	5.0 (125)
~Coverage sq ft/gal (m ² /L)	206 (5.0)	350 (8.6)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dry	1040 (25.5)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils (150 microns):

	@ 50°F/10°C	@ 77°F/26°C 50% RH	@ 120°F/49°C
To touch:	4 hours	2 hours	30 minutes
To recoat:			
minimum:	24 hours	8 hours	4 hours
maximum:	7 days	7 days	7 days
Foot traffic:	48 hours	24 hours	12 hours
Heavy traffic:	4-5 days	48-72 hours	24-36 hours
To cure:	10 days	7 days	4 days

If maximum recoat time is exceeded, abrade surface before topcoating.

Drying time is temperature, humidity, and film thickness dependent.

PE

Stripe coat all crevice failure in these areas.

When using spray app of the gun to avoid hol cross spray at a right

Spreading rates are ca an application loss fai rosity of the surface, t of application, various mixing, spillage, over film build.

No reduction of mater appearance, and adh

Do not apply the mats

Do not mix previously

In order to avoid bloc before use or before p #54, R7K54

Material can not be sq

Anti-slip additives, sui coating to provide so be used in place of a

Anti-slip additive may plication. Exception: if be hand broadcast.

Prime coat for concrete