

**Invitation to Bid**  
**Clean and Apply Coating The Exterior of Building 3700 Warrington Campus**  
**7-2021/2022**



**PENSACOLA**  
S T A T E C O L L E G E

Deliver Sealed Bid and Two Copies to:

Ted Young, Director of Purchasing and Auxiliary Services  
Building 7, Room 737  
1000 College Blvd.  
Pensacola, FL 32504

Public bid opening: Pensacola State College will conduct a Public bid opening and evaluations on the date and time listed within the timeline which are held at Pensacola State College Board Room, 1000 College Blvd. Pensacola, FL 32504 Room 736. The College may choose to only open the individual bids and publicly announce who a bid was received from. The actual bid prices submitted will not be a public record until the date of posting or the number of days as defined in FS 119.071. Immediately following the bid opening, the Bid Evaluation Committee will evaluate the bids. This may require additional review by the committee or representative.

**Timeline**

The following timeline is a general guideline for issuance, evaluation, ranking and recommendation for award of this Invitation to Bid. The College reserves the right to change the dates of any events listed. Times listed are local time.

<u>DATE</u>	<u>EVENT</u>
March 01, 2022	ITB issue date
March 10, 2022, 2pm	Site Visit on location, Building 3700, Warrington Campus
March 16, 2022, 2pm	Deadline for questions and requests for clarifications
March 24, 2022	Answers/Responses Posted
March 31, 2022, 2pm	Bids due

The timeline above is a proposed schedule. The College may amend the dates as required. All dates and locations of evaluation committee meetings will be posted to Purchasing's website: <http://www.pensacolastate.edu/business-psc/>.

Pensacola State College is a political subdivision of the State of Florida and as such is exempt from all Federal and State taxes. Pensacola State College reserves the right to reject any portion or all bids, to resolicit bids or not and to waive informalities as deemed in the best interest of Pensacola State College. The bid shall remain in force for thirty (30) days after the time of opening.

**ANTI-COLLUSION STATEMENT:** The Bidder by signing and submitting a bid has "not" divulged to, discussed or compared his/her bid with any other Bidders and has not colluded with any other Bidders or parties to a bid whatsoever. (NOTE: Including there have been No premiums, rebates or gratuities paid or permitted either with, prior to, or after any delivery or personal contact. Any such violation will result in the cancellation of award of any resulting contract from this bid and the Bidder being debarred for not less than three (3) years of doing business with Pensacola State College.)

## 1.0 OVERVIEW

Pensacola State College is soliciting qualified bids from qualified firms to provide materials and labor to paint as identified in Attachment A. The College will review bids of each building separately and together to determine which buildings it will/will not award. The College may select, one, multiple, all or no buildings for award.

- 1.01 In order to maintain a fair and impartial competitive process, Pensacola State College shall avoid any oral communication with prospective bidders other than through the purchasing office during the bid process. However, all solicited bidders will be provided a copy of all written questions submitted and Pensacola State College's responses to them, unless the written inquiry pertained to an administrative or procedural matter. Send all inquiries to the attention of: Ted Young, Director of Purchasing and Auxiliary Services, email: [purchasing@pensacolastate.edu](mailto:purchasing@pensacolastate.edu)

From the date of issuance of this ITB, until a proposal is made, Respondent must not make available or discuss its proposal, or any part thereof, with any employee or agent of the College, unless permitted by the Director of Purchasing and Auxiliary Services, in writing. Contacting the College's personnel or members of the College's District Board of Trustees, either directly or indirectly, regarding this ITB, the selection process or any attempt to further a proposer's interest in being selected, may result in proposer being disqualified and shall render the award to said proposer voidable by the College.

Questions concerning this ITB shall be directed to Ted Young at [purchasing@pensacolastate.edu](mailto:purchasing@pensacolastate.edu) and to no other person or department at the College. Questions and requests must be in writing and must be received not later than the date and time indicated in the timeline.

- 1.02 Any addenda issued prior to the opening of the ITB for the purpose of changing the specifications of this request for proposal or related documents, or clarifying the meaning of the same, shall be binding in the same way as if originally written in the ITB specifications and related documents. Since all addenda are available to proposers at the office of the Pensacola State College Director of Purchasing and Auxiliary Services, and posted on the Pensacola State College website at <http://www.pensacolastate.edu/business-psc/>, it is each bidder's responsibility to check with the issuing office and immediately secure all addenda before submitting your bid. The Pensacola State College Director of Purchasing and Auxiliary Services emails addenda to all known prospective bidders, but no guarantee can be made that addenda will be received.

- 1.03 The bidder is assumed to be familiar with all Federal, State of Florida and local laws, ordinances, rules and regulations that in any manner affect the work. Ignorance on the part of the proposer will in no way relieve you from your contractual responsibility. Any resultant award shall include requirements that the resultant contract shall be governed by the laws of the State of Florida.

- 1.04 As deemed in the College's best interest, the College reserves the right to reject any or all bids submitted, resolicit bids or not, award any portion(s) of this ITB, waive informalities, issue to all responsive bidders request for information (RFI's), issue requests to negotiate with finalist and solicit best and final offers, evaluate to determine technical equivalents, award this ITB on a Lot by Lot basis to the responsive low bidder meeting specifications.

- 1.05 QUALIFICATIONS: Bidders shall furnish documentation of the following:

- a. He or She is currently registered with or hold an unexpired License issued by the Florida Construction Industry Licensing Board in accordance with current applicable regulations, Licensing of Construction Industry, Florida Statutes.
- b. He or She presently maintains a permanent bona fide place of business practicing this type of work and has had the appropriate experience.

- c. He or She has available, or can obtain, adequate equipment and financial resources to undertake and execute the Contract properly and expeditiously, in accordance with present day practices.
- d. All subcontractors shall be fully licensed in the State of Florida and shall be bondable. Submit copies of current license and documentation from bonding company showing compliance.
- e. He or She shall submit with the Bid the enclosed document entitled "Sworn Statement under Section 287.133(3) (a), Florida Statutes. On Public Crimes".

The apparent successful bidder shall also, at the request of the College, submit a fully executed "Contractor's Qualification Statement" AIA Document A305. The College reserves the right to take into consideration the quality of references of the apparent low bidder of a general construction contract.

- 1.06 LICENSE: In accordance with Chapter 489.113, Florida Statutes, all individuals or entities engaging in and providing construction services shall be licensed in the State of Florida for that activity. This license requirement includes general and sub-contractors.

The successful low bidder shall be required to submit a list of all contractors to be involved in said project with applicable license numbers (see form included in these documents), including a photographic copy of current license certificates. Submittal of proof of license shall be made with, and as a part of signed contract.

Prime Contractor shall submit proof of licensure with the Bid Form. Failure to submit required proof of license shall be cause for Owner to reject bid as non-responsive, and award bid to second lowest qualified bidder.

- 1.07 DISQUALIFICATION OF BIDDER: More than one Bid from an individual, firm, partnership, corporation or association under the same or different names will not be considered. Reasonable grounds for believing that a Bidder is interested in more than one Bid for the same will cause the rejection of all Bids which such Bidder is believed to be interested. Bids will be rejected if there is reason to believe that collusion exists between Bidders. Bids in which the prices are obviously unbalanced may be rejected.

- 1.08 MODIFICATION OF BID: Bid modifications will be accepted from Bidders if addressed to the Owner at the place where Bids are to be received and if received prior to the opening of the Bids. Modifications may be in written or telegraphic form. Modifications will be acknowledged by the Owner before opening of formal Bids.

- 1.09 WITHDRAWAL OF BIDS: Bids may be withdrawn by written or electronic request received from Bidders prior to the time fixed for opening. Negligence on the part of the Bidder in preparing the Bid confers no right for the withdrawal of the Bid after it has been opened.

- 1.10 BUILDING PERMIT: A permit will be issued to the Contractor by the Facilities Planning and Construction Department of Pensacola State College.

- 1.11 SECURITY: The Contractor shall be responsible for maintaining security, and the contractor shall be responsible for replacement or repair of items and/or equipment stolen, lost or damaged while the building security is under the care of the Contractor. The Contractor shall be responsible for having a job superintendent present whenever work is in progress. The Contractor shall not change superintendent without the Owners approval.

- 1.11 BID BOND: A bid bond or deposit, in the amount of five percent (5%) of the base bid will be required to accompany each bid, as guarantee that the successful bidder, will enter into a contract with the Owner, if desired by same. Any deposit must be in the form of a Certified Check, or a Cashier's Check. The bid bond or deposit will be held as liquidated damages, in the event that the successful bidder refuses to enter into a contract with the Owner.

2.00 GENERAL

2.01 BASIC DEFINITIONS: Unless otherwise expressly stated, wherever in the Contract Documents the word 'provide' is used, it shall mean furnished and installed in place, complete and tested. The terms Architect, Building Inspector, and Engineer are used interchangeably.

2.02 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS: If a discrepancy occurs on drawings, in specifications, or between drawings and specifications, the greater quantity or value takes precedence.

2.03 WARRANTY: The warranty herein guarantees the proper operation of all structures, components and systems constructed or installed by the contractor for a period of one year after the date of substantial completion.

If within the guarantee period, repairs or changes are required in connection with the guarantee work, which in the opinion of the College is rendered necessary as the result of the use of materials, equipment, or workmanship, which are defective, or inferior, or not in accordance with the terms of the Contract, the Contractor shall, promptly upon receipt of notice from the College, and without expense to the College, proceed to:

Place in satisfactory condition in every particular all of such guaranteed work, correct all defects therein; and  
Make good all damages to the structure or site, or equipment or contents thereof which, in the opinion of the College are the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the Contract, or the equipment and contents or structures or site disturbed in fulfilling any such guarantee.

2.04 INDEMNIFICATION: To the fullest extent permitted by law, the firm shall indemnify, hold harmless and defend the College, its Trustees, officers, agents, servants, and employees, from and against all claims, damages, losses, and expenses including, but not limited to, attorneys' fees and other legal costs such as those for paralegal, investigative, and legal support services, and the actual cost incurred for expert witness testimony, arising out of or resulting from the performance of services required under this Contract, provided that same is caused by the negligence, recklessness, or intentional wrongful conduct of the firm or other person utilized by the firm in the performance of the work. Nothing herein shall be deemed to affect the rights, privileges, and immunities of the College as set forth in Section 768.28, Florida Statutes.

2.05 SUBCONTRACTORS: The Contractor shall not contract with any person or entity declared ineligible under Federal laws or regulations from participating in federally assisted construction projects or to whom the Owner or the Architect has made reasonable objection.

2.06 CHANGES IN WORK: Maximum percentages of overhead and profit which may be added by the Contractor to actual costs of such changes in the work are specifically set forth as follows:

For all work done by his organization, or subsidiaries of his organizations, including work traditionally considered as subcontractor work, the Contractor may add 15% of his actual costs for combined overhead and profit. For any work performed by a subcontractor or forces under the respective subcontractor including any sub-subcontractors or persons not in the direct employ of the subcontractor, a total of 15% of the cost of the change, with 10% to be assigned to the subcontractor and any forces under him and the General Contractor may add 5% of the cost above subcontractor's cost for his overhead and profit.

The above percentages shall be considered reasonable allowance for overhead and profit due to the contractor. The Contractor shall submit receipts or other evidence showing his costs and his right to the payment claims. All changes in work shall be provided with a detailed cost breakdown indicating material and labor units for all work

to be performed. In addition, the cost breakdown shall contain all current tax and labor burden. The allowable amount for the material tax shall be 7.25% and for labor burden shall be 30%.

3.00 SPECIAL CONDITIONS

3.01 Florida sales tax exemption no: 85-8012557294C-2.

3.02 Pensacola state college reserves the right to reject any or all ITBs/proposals received, to resolicit or not and to waive informalities as deemed in the best interests of the College.

3.04 Any entity or affiliate who has been placed on the discriminatory vendor list may not submit a ITB on a contract to provide goods or services to a public entity, may not submit a ITB on a contract with a public entity for the construction or repair of a public building or public work, may not submit ITBs on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity. All invitations to ITB, as defined by 287.012(11)FS, request for proposals, as defined by 287.012(15)FS, and any written contract document of the state shall contain a statement informing entities of the discrimination provisions.

3.05 Pensacola State College reserves the right to award an individual lot or a combination of lots; reject any or all lots, whatever seems in the best interest of the College.

3.06 The specifications listed are meant to demonstrate the work parameters required, and the functional limits listed are to be considered minimal unless changed by addendum to the bid. Bid evaluation will be made strictly from the minimal specification. Each particular specification which the equivalent offered which does not meet must be identified and submitted along with the detailed specification sheet of the equivalent offered.

3.07 The successful bidder shall fully guarantee all items furnished against defect in materials and/or workmanship for a period of 365 days from date of final acceptance by Pensacola State College. Should any such defect, except for normal wear and tear, appear during the warranty period, the successful bidder shall commence repair or replace same at no cost to Pensacola State College within 72 hours after notice.

3.08 Proposal tabulations with recommended awards will be posted on the purchasing web page [http://pensacolastate.edu/purchasing/current\\_solicitations.asp](http://pensacolastate.edu/purchasing/current_solicitations.asp)

A notice of intended decision to recommend or reject proposals shall be posted on the College website at <http://www.pensacolastate.edu/business-psc/>. If a potential Protestor desires to protest a decision or intended decision of the College, the potential Protestor must timely deliver a Notice of Intent to Protest within seventy-two (72) hours of the College's posting of its decision or intended decision. A potential Protestor's failure to timely file a Notice of Intent to Protest within the seventy-two (72) hour time period shall constitute a waiver of the right to protest proceedings.

A Notice of Intent to Protest shall: (i) be delivered to the Pensacola State College's Purchasing Department and addressed to the Director of Purchasing and Auxiliary Services at 1000 College Blvd., Pensacola, FL, 32504; (ii) identify the solicitation by number and title or any other language that will enable the College to identify it; and (iii) state that the person intends to protest the decision. The seventy-two (72) hour period will not be extended by service of the Notice of protest by mail.

The Protestor must then timely deliver a Formal Written Protest to Pensacola State College's Purchasing Department and addressed to the Director of Purchasing and Auxiliary Services at 1000 College Blvd., Pensacola, FL, 32504 within ten (10) days after the date the Notice of Intent to Protest was filed. The seventy-two (72) hour period will not be extended by service of the Notice of Protest by mail. The Formal Written Protest must include

the required filing fee and security bond as specified herein. The failure of the Protestor to timely file the Formal Written Protest or to timely file the filing fee and security bond shall constitute a waiver of the Protestor's right to protest proceedings and/or the denial and dismissal of the Protestor's protest.

The formal written protest shall contain the following information:

1. The identification of the Protestor.
2. A statement of when and how the Protestor received notice of the College's action or proposed action.
3. A statement of the material facts alleged, including a statement of the specific facts the Protestor contends warrant reversal or modification of the College's proposed action.
4. A statement of the specific rules or statutes that the Protestor contends require reversal or modification of the College's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes.
5. A statement of the relief sought by the Protestor, stating precisely the action Protestor wishes the College to take with respect to the proposed action.

A Protestor may only protest a decision or intended decision of the College resulting from a competitive solicitation for a contract of \$65,000 or more. A valid Protest must allege that the College violated law, regulation, its rules and/or procedures or the terms, conditions or specifications contained within the competitive solicitation documents. Mere disagreement with the result of a competitive solicitation is not sufficient grounds for a valid Protest.

Notwithstanding anything in this procedure to the contrary, a protest may not challenge the relative weight assigned to the solicitation evaluation criteria by the College, or the formula for assigning points in making an award or recommendation of award.

For the purposes of determining timeliness of any notice or filing or the tolling of any time period under this process: (i) references to "days" shall mean calendar days; (ii) in the event that the final day for a College employee or official to respond or for a person to file a protest or appeal falls on a Saturday, Sunday, or a College observed holiday, the date for responding or filing such protest or appeal shall be extended until the next day which is neither a Saturday, Sunday, or College observed holiday; and (iii) notices received by the College after the close of the College's business hours at 4:00 p.m. local time, shall be deemed received by the College effective as of the next business day of the College.

The Protestor shall be liable for all of its own costs and expenses incurred related to a Protest, including all appeals. The Protestor shall file with the Purchasing Department, a security in the form of a certified check, letter of credit or protest bond (in a form, and with such terms, approved by the College) payable to the College in an amount equal to two percent (2%) of the estimated contract amount, or proposal amount. If no contract price was submitted, the College shall estimate the contract amount based on factors including, but not limited to, the price of previous or existing contracts for similar contracts or services. Such bond or other security must be received prior to the expiration of the time for filing the Formal Written Protest. If the protest is successful, the posted security will be refunded in full. If the protest is unsuccessful, the security shall be returned, less all fees, expenses, damages, costs and charges incurred by the College.

Noncompliance with these filing requirements within the applicable deadline for filing of the Protest shall be deemed to be a waiver by the Protestor of the right to protest proceedings under this procedure.

- 3.09 Contractor and subcontractor personnel are not permitted to use the campus facilities. Smoking is not permitted in any campus facility. Profane language or improper behavior will result in immediate termination from the construction site.

The Contractor shall erect temporary barricades and fencing as required to keep the unauthorized out of the construction area, and provide signs that read: "This area is a designated construction site; anyone who trespasses on this property commits a felony per Florida Statute 810.09(2d)."

**BID FORM**

Total Lump Sum Cost as specified building 3700 Warrington Campus \$ \_\_\_\_\_

Payment Terms: Net 30 days or prompt payment discount of \_\_\_\_\_%, \_\_\_\_\_ Days offered by Proposer.

**Include tentative schedule with bid.**

Firm

\_\_\_\_\_

Authorized Agent Name

\_\_\_\_\_

Signature

\_\_\_\_\_

Date

Firms certify by their signature they have read and understand the conditions and specifications of this Invitation to Bid and they have the authority, capacity, and capability to perform all conditions and specifications of this Invitation to Bid.

**Attachment A**  
**Scope of Work**

Pressure wash to remove any existing chalk or loose coating. Scrape Edges as needed.

Apply 1 Coat of Amerlock Sealer to Entire Surface. (2 Component) 500 Sq. Ft. Per Gallon.

Apply 2 Coats of Pitthane Low Sheen Urethane. (2 Component) 300 Sq. Ft. per Gallon.

See also attached product sheets.





HPC/Industrial Maintenance

Pitt-Tech® EDF Interior/Exterior Waterborne Acrylic Dry Fog

**GENERAL DESCRIPTION**

Pitt-Tech® EDF is an exceptional direct to metal, interior/exterior, semi-gloss acrylic dry fog and is designed to prevent overspray on surrounding structures. Easy to apply, Pitt-Tech EDF possesses excellent exterior durability, dry fall properties, and color and gloss retention and transfer efficiency. This rust inhibitive coating adheres to lightly rusted surfaces and protects from the long term effects of weathering and corrosion. Pitt-Tech EDF is ideal for use on a wide range of substrates and structures such as: Exterior Tanks and Towers, Piping, Building Interiors and Exteriors, Manufacturing Facilities, Production Facilities.

**For Professional Use Only; Not Intended for Household Use.**

**RECOMMENDED USES**

- Ferrous Metal
- Previously Painted Metal
- Galvanized Metal
- Concrete

**FEATURES AND BENEFITS**

- Self Priming\*
- Excellent Dry Fall and Transfer Efficiency
- Protects from the effects of corrosion and weathering
- Exceptional Color and Gloss Retention
- Rust Inhibitive
- Easy to apply via spray, brush and roll
- VOC compliant
- Flash Rust Resistance

\*Properly prepared surfaces

**PACKAGING**

5-Gallon (18.9L)

Not all containers are full-filled.

**PERFORMANCE DATA**

<u>Name of Test</u>	<u>ASTM Test</u>	<u>Results</u>
Gloss Retention QUV 1750 hrs. UVA 340 lamps	ASTM D4587	94%
Humidity	ASTM D4585	500 hrs. Passes
Salt Spray	ASTM D117	500 hrs. Passes
Adhesion	ASTM D3359	100%

For additional information, contact your Protective Coatings Specialist.

**TINTING AND BASE INFORMATION**

90-810	Neutral Base
90-811	White Base
90-812	Porcelain White*

Use 896 line tints. Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

\*Do not tint.

**PRODUCT DATA**

<b>PRODUCT TYPE:</b>	100% Acrylic Latex
<b>GLOSS:</b>	Semi-Gloss 25 to 50 (60° Gloss Meter)
<b>VOC*:</b>	0.71 lbs./gal. (85 g/L)

\*Product data calculated on 90-812.

**COVERAGE:** 166 to 322 sq. ft./gal.(15 to 29 sq. m/3.78L)

Coverage: Does not include loss due to varying application method, surface profile, or mixing.

**WEIGHT/GALLON\*:** 10.6 lbs. (4.8 kg) +/- 0.3 lbs. (136 g)

**VOLUME SOLIDS\*:** 41.7% +/- 2%

**WEIGHT SOLIDS\*:** 54.2% +/- 2%

**\*\*FILM THICKNESS:**

Dry Mils*:	2.0 to 4.0
Dry Microns:	51 to 102
Wet Mils*:	5 to 10
Wet Microns:	127 to 254

\*\*Applications up to 20 wet mils (8 mils dft) are acceptable where required by specification, but drying times will increase significantly.

**IN-SERVICE LIMITATIONS:** Dry Heat 250°F (121°C)

Dryfall (Typical) 10-15 ft @ 75°F/50% relative humidity with proper spray technique ASTM D5895.

**DRYING TIME:** All at 50% relative humidity.

Temperature	50°F	77°F	90°F
To Touch:	25 minutes	13 minutes	9 minutes
To Handle:	45 minutes	19 minutes	17 minutes
To Recoat:	45 minutes	19 minutes	17 minutes

Drying times listed may vary depending on temperature, humidity, color and air movement.

**CLEANUP:** Water

**FLASH POINT:** Over 200°F (93°C)

HPC/Industrial Maintenance

Pitt-Tech® EDF Interior/Exterior Waterborne Acrylic Dry Fog

**GENERAL SURFACE PREPARATION**

The service life of the coating is directly related to the surface preparation. Surface to be painted must be clean, dry, smooth, and free from surface contaminants. SSPC-SP2 Hand Tool or SSPC-SP3 Power Tool cleaning is minimum. All cracks and other surface imperfections must be repaired and spot-primed. Dull glossy surfaces by sanding. Prime metal, patched and porous surfaces with the appropriate primer. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**METAL:** Rust and other surface contaminants must be removed from ferrous metals, aluminum, copper, brass, and galvanized steel. Then the surface must be cleaned thoroughly to remove any dust.

**GALVANIZED METAL:** Solvent Clean per SSPC-SP1 to remove grease and oils. If any oxidation (white rust) has formed, sand and remove all forms of contamination. If the galvanized has been passivated or stabilized, the surface must be abraded, i.e. Brush-Off Blast Clean per SSPC-SP7 or chemically treat the surface.

**PREVIOUSLY PAINTED METAL:** Water or sand blast all loose paint and chalky material. Prime any exposed metal with the appropriate primer.

**CONCRETE:** Allow the mortar to cure for thirty (30) days under normal drying conditions. Remove all dirt, dust, grime, loose mortar and all other forms of contamination.

**RECOMMENDED PRIMERS**

Pitt-Tech EDF can be used as a self-priming topcoat over ferrous metal, previously primed metal, and galvanized steel.

Plaster	4-603
Concrete, Masonry (Primers, Sealers)	4-603, 4-808
Concrete Masonry Units (Block Fillers)	6-7, 6-15
Ferrous Metal	6-208, 6-212, 90-712
Galvanized Metal	90-712

**MIXING AND APPLICATIONS INFORMATION****Permissible temperatures during application:**

Material:	45 to 95°F	7.2 to 35°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

Mix material thoroughly before use.

**Application Equipment:** Changes in application equipment, and/or tip sizes may be required depending on ambient temperatures and application conditions.

**Airless Spray:** Typical recommended Equipment: GRACO ULTRA MAX Series pumps with contractor guns or equivalent.

**Pressure Range:** 1800 to 3150 psi

**Tip Size:** 0.013" to 0.019"

Choice of pump, gun, tip size and pressure will depend on availability, specific job requirements, operator experience and ambient conditions.

At relative humidity of greater than 70%, dry fall property is severely reduced. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

PPG Architectural Finishes, Inc. believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



PPG Industries, Inc.  
Architectural Coatings  
One PPG Place  
Pittsburgh, PA 15272  
[www.ppghpc.com](http://www.ppghpc.com)

Technical Services  
1-800-441-9695  
1-888-807-5123 fax

Architect/Specifier  
1-888-PPG-IDEA

PPG Canada, Inc.  
Architectural Coatings  
4 Kenview Blvd  
Brampton, ON L6T 5E4

E5 2/2012  
(Supersedes 11/2011)

**MIXING AND APPLICATIONS INFORMATION (cont.)**

**Brush:** High quality nylon or polyester bristle brush

**Roller:** 3/8" nap roller

**Thinning:** May thin with water up to 5% if desired.

Distance is dependent upon the degree of air movement, temperature and humidity conditions. Test free falling drying distance before proceeding.

**LIMITATIONS OF USE****For Professional Use Only; Not Intended for Household Use.**

Apply when air, surface and product temperatures are above 50°F (10°C) and the surface temperature is at least 5°F (3°C) above the dew point. Not recommended for immersion service. Some types of machinery and equipment may still require covers as a protection against possible damage to working parts (such as bearings, etc.) Clean any dry overspray before rolling scaffold or allowing foot traffic into area. Proper ventilation is required to prevent excessive humidity build-up which would inhibit dry-fogging properties. Test all spray equipment in a remote area for the proper tips, pressure settings and free-fall drying before proceeding.

Overspray may adhere to hot surfaces. Be aware that surfaces may be hotter than the surrounding air temperature. These surfaces must be protected from overspray. **PROTECT FROM FREEZING.**

**SAFETY**

Proper safety procedures should be followed at all times while handling this product. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website [www.ppghpc.com](http://www.ppghpc.com) or by calling 1-800-441-9695.

# PITTHANE® ULTRA LS

## DESCRIPTION

Two-component, low sheen aliphatic acrylic polyurethane

## PRINCIPAL CHARACTERISTICS

- Low sheen topcoat with unlimited recoatability
- Outstanding weather resistance with excellent color and gloss retention
- Tough and flexible coating
- Can be applied and cured at low temperatures

## COLOR AND GLOSS LEVEL

- Industrial White, Light Tint Base, Neutral Tint Base
- Low sheen

## BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	67 ± 3%
VOC (Supplied)	max. 2.0 lb/US gal (approx. 240 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 350°F (177°C)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) depending on system
Theoretical spreading rate	537 ft <sup>2</sup> /US gal for 2.0 mils (13.2 m <sup>2</sup> /l for 50 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 36 months when stored cool and dry

### Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- Discoloration will occur at high temperatures

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specific primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.



# PITTHANE® ULTRA LS

## **Substrate temperature and application conditions**

- Surface temperature during application should be between 20°F (-7°C) and 140°F (60°C)
- Ambient temperature during application and curing should be between 20°F (-7°C) and 100°F (38°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Relative humidity during application should not exceed 85%

## **Warning**

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE 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 and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

## **SYSTEM SPECIFICATION**

- Apply over various PPG epoxy primers or compatible existing coatings

## **INSTRUCTIONS FOR USE**

### **Mixing ratio by volume: base to hardener 87.5:12.5 (7:1)**

- Pre-mix pigmented components with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1–2 minutes until completely dispersed

## **Pot life**

3 hours at 70°F (21°C)

Note: See ADDITIONAL DATA – Pot life

## **Application**

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Protect from moisture until dry through time is reached

## **Material temperature**

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)



# PITTHANE® ULTRA LS

---

**Air spray**

- Use standard conventional equipment
- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

**Recommended thinner**

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

**Volume of thinner**

0 - 10%

**Nozzle orifice**

Approx. 0.070 in (1.8 mm)

---

**Airless spray**

- 28:1 pump or larger

**Recommended thinner**

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

**Volume of thinner**

0 - 10%

**Nozzle orifice**

0.013 – 0.015 in (approx. 0.33 – 0.38 mm)

---

**Brush/roller**

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" or 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build
- AMERCOAT 851 flow control additive can be used to for enhanced flow and leveling with brush and roll application

**Recommended thinner**

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

**Volume of thinner**

0 - 5%

---

**Cleaning solvent**

THINNER 90-58 (AMERCOAT 12) or THINNER 21-06 (97-727)



# PITTHANE® ULTRA LS

## ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	12 hours	5 hours	2.5 hours
	Maximum	Unlimited	Unlimited	Unlimited

Overcoating interval with 97-722 accelerator or AMERCOAT 866 M accelerator for DFT up to 2.0 mils (51 µm)							
Overcoating with...	Interval	20°F (-7°C)	30°F (-1°C)	40°F (4°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	24 hours	12 hours - 16 hours	5 hours	4 hours	2 hours	Not recommended
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	6 hours	12 hours
70°F (21°C)	1.5 hours	8 hours
90°F (32°C)	1 hour	2.5 hours

Overcoating interval with 97-722 or 866M accelerator for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
20°F (-7°C)	8 hours	32 hours
40°F (4°C)	3 hours	5 hours
70°F (21°C)	1 hour	3 hours
90°F (32°C)	45 minutes	2 hours

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	5 hours
70°F (21°C)	3 hours
90°F (32°C)	1 hour



# PITTHANE® ULTRA LS

**Pot life (at application viscosity): with 97-722 or 866M accelerator**

Mixed product temperature	Pot life
40°F (4°C)	3 hours
50°F (10°C)	2 hours
70°F (21°C)	1 hour
90°F (32°C)	N/A

**Product Qualifications**

- SSPC Paint 36 Level 3 Performance
- Considered to be suitable for USDA incidental contact applications
- Meets MPI 83 requirements
- For an anti-slip finish on floors or decks, Amercoat 886 anti-slip additive can be added to Pitthane Ultra LS at a rate of two pints per gallon of coating. Rate of addition of anti-slip additive can be increased or decreased depending on the anti-slip texture desired. Other inert anti-slip additives may also be suitable. Consult your PPG representative for guidance.

**DISCLAIMER**

- For industrial or professional use only
- For an anti-slip finish on floors or decks, Amercoat 886 anti-slip additive can be added to Pitthane Ultra LS at a rate of two pints per gallon of coating. Rate of addition of anti-slip additive can be increased or decreased depending on the anti-slip texture desired. Other inert anti-slip additives may also be suitable. Consult your PPG representative.

**SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes
- Resistant to many commonly used disinfectants

**Danger**

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to [www.pittsburghpaints.com](http://www.pittsburghpaints.com), Spontaneous Combustion Advisory for additional information

**WORLDWIDE AVAILABILITY**

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.



# PITTHANE® ULTRA LS

## REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

## LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgmc.com](http://www.ppgmc.com). The English text of this sheet shall prevail over any translation thereof.

## AVAILABILITY

### Packaging

1-gallon and 5-gallon kits

Product codes	Description
95-8930	Industrial White base
95-8901	Light tint base
95-8900	Neutral tint base
95-899	Hardener

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

