

PRODUCT SUBMITTAL

**7 YEAR WARRANTY
RECOMMENDATION FOR REPAINT
THREE HORIZON NORTH**



**PAINTING CONTRACTOR
MADE PAINTING**

**CESAR CANDELARIO
PRESIDENT**

Architectural Coatings

Because Every Job Matters

EXTERIOR PAINTING RECOMMENDATIONS

**Three Horizon North
1470 NE 125th Ter
North Miami, FL 33161**

Made Painting

~~XXXXXX, XXXX~~ 2/20.2024

After careful inspection of the surfaces on the above named project, these are the recommendations for a PPG Paints exterior repaint.

The PPG Factory Representative will make inspections while the application is in progress to ensure a quality application. The warranty will be 7 years issued upon completion and acceptance.

If there are any questions concerning these recommendations, please do not hesitate to contact me at the number below.

Sincerely,

Cesar Candelario

Cesar Candelario
(786) 356-0171



1. SCOPE

1.1 General

The work required consists of all preparation, painting, finishing work and related items necessary to complete work described in the recommendations and listed in the Painting Schedule herein.

1.2 Scope of Work

Without restricting the volume or generality of the above, the work to be performed shall include, but is not limited to the following:

- a. Pressure washing all exposed exterior surfaces to receive paint.
- b. Caulking of all exposed cracks, voids around window openings, and doors.
- c. Masonry Repair/Patching.
- d. Coating of substrates.

2. SUBSTRATES NOT TO BE PAINTED

- 2.1 Surfaces not to be painted shall be left completely free of droppings and accidentally applied materials resulting from work required under this recommendation. In general, surfaces such as aluminum, chromium, copper, lead, stainless steel, and plastics shall not be painted.

3. MATERIALS

3.1 Specified Materials

- a. All materials are to be supplied by the PPG Paint Store or authorized PPG Pittsburgh Paints Dealer.
- b. All paints shall be delivered in the original and unopened containers, plainly marked with proper designation of the product and color.
- c. The paint shall be used and applied per the label and data sheet instructions and the paint shall not be modified or extended other than provided for in these instructions. The correct surface preparations and condition of surface shall be rigidly adhered to. Data sheets may be obtained from the local PPG Paint representative.
- d. All coating materials shall be subject to inspection by OWNER or his designate.

4. MATERIAL, EQUIPMENT AND LABOR

- 4.1 The painting contractor shall furnish all labor, tools, equipment, scaffolding, and/or other structure and supervision required for the cartage, unloading, storage, surface preparation, application, and cleanup of the paint and allied products covered by this Recommendation.

5. MINIMUM RECOMMENDATIONS

- 5.1 If instruction contained in the Recommendation, bid documents, or the Painting Schedule are at variance with the paint manufacturer's instructions or the applicable standards and codes listed, surfaces shall be prepared and paint applied to suit manufacturers published data sheets and instructions.

6. SAFETY

- 6.1 All pertinent safety regulations, both owners and OSHA's shall be adhered to rigidly. In addition all safety precautions noted on the manufacturer's Product Data Sheets, Product Labels and Safety Data Sheets (SDS) are available from the local PPG Paint Store.

7. RESOLUTION OF CONFLICTS

- 7.1 The contractor shall be responsible for requesting prompt clarification when instructions are lacking, conflicts occurring in the recommendation and/or paint manufacturer's literature, or the procedure specified is not clearly understood.

8. COORDINATION OF WORK

- 8.1 The contractor shall be responsible for coordination of his work with other crafts and contractors working at the project site and with OWNER.

9. JOB SITE VISITATION

- 9.1 The contractor shall be responsible for visiting the project site and familiarizing himself with the job and working conditions.

10. SURFACE PREPARATION

10.1 General

- a. All surfaces to be painted shall be thoroughly washed under high pressure incorporating a solution of water and TSP to completely remove all dirt, dust, chalking, grime, and loose flaking paint. To remove mold or mildew, add hypochlorite type household bleach to the washing solution. Wear protective glasses, rubber gloves, and suitable protective clothing to avoid eye or skin irritation. Thoroughly rinse all residues possible from the cleaning solution.
- b. Surfaces shall be clean, dry, and adequately protected from dampness prior to painting.
- c. Surfaces shall be free of any foreign material, which may adversely affect adhesion or appearance of applied coating.

10.2 **Ferrous Metal**

Previously Painted Surfaces

- a. Should be thoroughly cleaned free of dirt and/or other contaminants.
- b. All loose or peeling paint should be removed by scraping, sanding, and/or wire brushing.
- c. All rust spots should be removed by sanding and wire brushing.
- d. Hard or glossy paints should be dulled by sanding to insure maximum adhesion.

10.3 **MASONRY SUBSTRATES**

- a. Sealer is to be applied within 72-hours of pressure cleaning and it may be applied by roller, brush or spray (not to exceed 300 square feet per gallon). Use PPG PERMA-CRETE® Interior/Exterior Acrylic Masonry Surface Sealer 4-808/4-809.
- b. After the stucco cures apply a skim coat of PPG PERMA-CRETE® PITT FLEX® Elastomeric Patching Compound 4-1000 Series on the area where the new stucco joins the older material. This procedure is done to avoid future cracks at the interface.

Note: Testing for coverage and other conditions related to this project is the contractor's responsibility.

10.4 **Masonry Repair & Patching Procedures**

- a. Prior to any masonry patching all cracks shall be sounded out, cut out, and sealed with the specified bonding sealer.
- b. Cracks less than 1/32" will be cleaned, primed with a sealer, and with PPG PERMA-CRETE® PITT FLEX® Elastomeric Patching Compound 4-1000 Series for added strength.
- c. Cracks between 1/32" & 5/64" will be V'd out, cleaned, primed with a sealer, then filled and covered with PPG PERMA-CRETE® PITT FLEX® Elastomeric Patching Compound 4-1000 Series.
- d. Cracks greater than 5/64", stairway block cracks or large movable cracks, will be dug out, cleaned, primed with sealer, then filled with PPG TOP GUN® 400 Elastomeric Acrylic Urethane Sealant 1418 or approved equal. After the caulking cures completely apply by trowel or putty knife a coat of PPG PITT-FLEX ELASTOMERIC BRUSH GRADE PATCHING COMPOUND 4-1000 Series.
- e. Areas where hairline cracks from a spider web pattern, will have applied a trowel coat of PPG PERMA-CRETE® PITT FLEX® Elastomeric Patching Compound 4-1000 Series.
- f. Unforeseen conditions can arise while doing the normal masonry crack repair. Should the Contractor find any area(s) of loose, disbonding or hollow sounding masonry; notify the Owners Project Representative immediately

Any additional masonry replacement must be approved in writing by the Owners Project Representative. This additional work is to be handled on a time and material basis.

- g. Concrete primer and concrete patching material shall be approved by the Project Representative before application.
- h. All vines and other plants attached to the stucco should be removed.
- i. All chalk, mud stains, mildew, efflorescence, and any other contaminants or stains should be removed by pressure washing and scrubbing, utilizing detergents or other chemicals as required to remove the stains or contaminants. Failure to completely clean the surface could result in stains bleeding through the finish coat of paint and/or failure of the topcoat to adhere properly. Any areas where stains cannot be completely removed should be tested for tendency of stains to bleed through the newly applied coating prior to painting the entire surface.

10.5 **Caulking**

- a. All caulking will be checked for deterioration, cracking, splitting and loss of adhesion. Where signs are present, old materials will be dug out and replaced with a continuous bead of caulking, tooled in a professional manner. All caulking that is to be re-applied, will be wiped with a solvent to remove all surface dirt or any other substances that may affect the bond of the new caulking material. This procedure is for sound caulking.
- b. Utilize as the caulking standard PPG TOP GUN® 400 Elastomeric Acrylic Urethane Sealant 1418, where needed.

11. **COATING APPLICATION**

11.1 **Workmanship. General**

- a. Only skilled mechanics shall be employed. Application may be by brush, roller, or spray.
- b. The contractor shall protect his work at all times and shall protect all adjacent areas by suitable covering or other method during progress of his work. He shall remove all paint spots from concrete and other surfaces. He shall remove all rubbish and accumulated materials of whatever nature not caused by others and shall leave his work area in a clean, orderly and acceptable condition.
- c. Remove and/or protect hardware, accessories, factory finished work and similar items. Upon completion of each area, the contractor shall carefully replace all removed items.
- d. All materials should be applied under adequate illumination, evenly spread and flowed on smoothly to avoid runs, sags, holidays, brush marks, air bubbles, and excessive roller stipple.
- e. Coverage and hide shall be complete. When color, stain, dirt, or undercoats show through final coat of paint, the surface shall be covered by additional coats until the paint film is of uniform finish, color, appearance, and coverage, at no additional cost to OWNER or The PPG Paint Company.
- f. All coatings shall be applied in a workmanlike manner without brush marks or other defects.
- g. Drying time between coats shall be per label instructions.

- h. Thinning shall be done only if necessary for the workability of the material and then only in accordance with label instructions using only the recommended solvents.
- i. No coating should be applied when the **SURFACE TEMPERATURE** is below 50 F or above 100 F.

12. **COLOR SCHEDULE**

Colors (2) will be selected by owner , Balconies will be black or white per owner

- 12.1 To be selected by OWNER.

13. INSPECTION

- 13.1 After surface preparation is completed on each building, it shall be inspected and approved by OWNER or his designate.
- 13.2 After prime coat is applied, it shall be inspected and approved before applying finish coat.
- 13.3 All work during application is subject to inspection by the OWNER or his designate.
- 13.4 When painting is completed, an inspection will be made to determine if recommendations were followed prior to final approval.
- 13.5 Any questions concerning these recommendations should be clarified prior to commencing job.
- 13.6 Any changes to these recommendations would require the written approval of the OWNER or his designate.

14. PERMITS AND INSURANCE

- 14.1 The contractor shall obtain, at his own expense, all permits, licenses, and inspections and shall comply with all laws, codes, and ordinances promulgated by authorities having jurisdiction which may bear on the work.
- 14.2 The contractor agrees to maintain, at his own expense, insurance policies in such an amount and payable in such a manner as will protect the customer and contractor, including Workman's Compensation, in statutory amounts and Public Liability Insurance. The contractor is to take all necessary and reasonable safeguards to protect the public and all parties during the course of work.
- 14.3 The contractor shall indemnify and save the customer and all his agents and employees from all suits, actions or claims of any characters, name or description brought for or on account of any injuries or damages received or sustained by any person or persons or property on the account of neglect or fault of the contractor, his agents or employees in the execution of said contract.
- 14.4 Lien Waivers required before final draw.
- 14.5 Certificate of Insurance, naming the owner or his designate CO-insured, copy provided at start of work.

15. EXTERIOR PAINT SCHEDULE

15.1 Stucco Areas

a. Primer:

1. PPG PERMA-CRETE® Interior/Exterior Acrylic Masonry Surface Sealer 4-808/4-809.

b. Finish:

1. PPG PERMANIZER® Exterior 100% Acrylic Latex Satin 769-10 Series.

15.2 Metal Areas: Railings/Doors

a. Primer:

1. PPG PITT-TECH® Int/Ext Industrial DTM Primer/Finish Enamel 90-712 Series.

b. Finish:

1. PPG PITT-TECH Plus EP DTM Acrylic Semi-Gloss 90-1610

Inclusions:

- Garage Ceiling
- Garage Railings
- Garage Doors
- Balcony Ceiling
- Balcony Railings
- East and West stairwell walls and landings

IE

LP

Exclusions:

- Entrance Stone Walls
- Balcony Floors
- Light Fixtures
- Hurricane Shutters
- Metal Fence
- Garage Pipes
- Window Frame





Architectural Coatings

Perma-Crete Interior/Exterior Acrylic Masonry Surface Sealer

GENERAL DESCRIPTION

Perma-Crete Interior/Exterior Acrylic Masonry Surface Sealers are a fast drying, waterborne, clear or pigmented acrylic sealer used primarily to seal chalky or porous stucco, concrete or masonry walls prior to painting or waterproofing. They are designed to deeply penetrate and seal new, porous surfaces and old, dusty or chalky paint films and substrates. Finish with architectural primers and topcoats suitable for concrete and masonry, elastomerics, and waterborne epoxies (interior only). These *Perma-Crete Interior/Exterior Masonry Surface Sealers* are ideal on new and old concrete for use on a variety of exterior masonry projects including high-rise apartments and condominiums, warehouses, hospitals, schools, concrete parking garage overheads, hotels, and commercial structures.

RECOMMENDED SUBSTRATES

Brick	Masonry
Concrete	Stucco
Concrete Block (CMU)	Tilt-Up/Pre-Cast Concrete

CONFORMANCE STANDARDS

VOC compliant in all regulated areas

TINTING AND BASE INFORMATION

4-808	Clear (Not Tintable)
4-809	Pigmented (Tintable)

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

PACKAGING

1-Gallon (3.78 L)
5-Gallon (18.9 L)

Not all products available in all sizes.

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Latex
SHEEN:	Satin (normally penetrates to a flat sheen)
VOLUME SOLIDS:	17% +/- 2%
WEIGHT SOLIDS:	23% +/- 2%
WEIGHT/GALLON:	9.0 lbs. (4.1 kg) +/- 0.2 lbs. (91 g)
VOC:	<250 g/L (2.1 lbs./gal.)

Product data calculated on Product 4-809.

COVERAGE: 200 to 400 sq. ft. (19 to 37 sq. m) per US gal. (3.78L)

Wet Film Thickness:	4.0 mils to 8.0 mils
Wet Microns:	102 to 203
Dry Film Thickness:	0.7 mils to 1.4 mils
Dry Microns:	18 to 36

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

DRYING TIME:	Dry time @ 77°F (25°C); 50% relative humidity.
To Touch:	15 minutes
To Recoat:	1 to 3 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement. For example, product applied at 35°F (2°C) would require a minimum of 24 hours before recoat.

CLEANUP: Clean tools and hands immediately with warm, soapy water.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: Over 200°F (93°C)

FEATURES AND BENEFITS

Features

Seals Chalky Surfaces
Excellent Adhesion
Protects Porous Surfaces
Binds Laitance
Clear (4-808)
Pigmented (4-809)

Benefits

Improves the bond of primer and/or topcoat
Improves durability of the finish
Penetrates and seals recommended substrates
Entraps the gritty surface typical of new concrete
Maintains natural appearance and minimized dirt pick-up
Tintable to a range of PPG colors and improves hiding

GENERAL SURFACE PREPARATION

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding.

Remove mildew by washing with a mixture of 1 part liquid chlorine bleach to 3 parts water. Before use, be sure to read and follow instructions and warnings on label. Rinse thoroughly.

Dry substrate thoroughly to a moisture content under 12%. Clean laitant substrates in good condition by sweep blasting, power washing, wire brushing, etc. to remove loose material. After cleaning, vertical substrates that are laitant, may be conditioned with a coat of this product.

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. In Canada contact a regional Health Canada office. Follow these instructions to control exposure other hazardous substances that may be released during surface preparation.

BRICK, CONCRETE, MASONRY and STUCCO: New concrete and masonry should cure for at least 30 days prior to priming and painting. The pH of the substrate must be less than 10 before priming. Painting glazed brick is not recommended due to potential adhesion problems.

TILT-UP or PRE-CAST CONCRETE: New tilt-up or pre-cast should cure for at least 30 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer. Moisture content should be less than 12% prior to priming and topcoating. All bond breakers, release agents, and admix plasticizers must be removed to prevent adhesion problems. Bond breakers and similar surface contaminants should be removed as directed by the tilt-up manufacturer which can include specific cleaners, powerwashing, and/or surface profiling by mechanical methods. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition. Additional surface preparation guidelines can be found by referring to Technical Bulletin AF-2008-8 Guide on Painting Tilt-Up Concrete. Information or a copy of the bulletin can be obtained by calling 1-800-441-9695.

LIMITATIONS OF USE

Apply only when air and surface temperatures are 35°F (2°C) or above and surface is at least 5°F (3°C) above the dew point. Air and surface temperatures must remain 35°F (2°C) or above for the next 24 hours. For optimum application properties, bring material to at least 50°F (10°C) prior to application. Avoid exterior application late in the day when dew and condensation are likely to form or if rain or snow is expected.

PROTECT FROM FREEZING. KEEP OUT OF REACH OF CHILDREN.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae.

APPLICATION INFORMATION

Stir thoroughly before use. **USE WITH ADEQUATE VENTILATION.** Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

Application Equipment: Apply with a high quality brush, roller, paint pad, or by spray equipment. Apply one even coat. Do not apply heavy films. Two coats may be required on chalky or extremely porous surfaces.

Airless Spray: Pressure 1800 - 2400 psi, tip 0.011" - 0.013", flow rate 1/2 gal/minute. 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.

Brush: Polyester/Nylon Brush

Roller: 1/2" - 3/4" nap roller cover

Thinning: Do not thin.

Permissible temperatures during application:

Material:	35 to 90°F	2 to 32°C
Ambient:	35 to 90°F	2 to 32°C
Substrate:	35 to 90°F	2 to 32°C

PRECAUTIONS

WARNING! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. Do not breathe vapor or mist. Do not swallow. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information. FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

**GENERAL DESCRIPTION**

Permanizer Exterior paint is ideal for use on properly prepared exterior wood, brick, masonry, concrete, weathered aluminum, weathered vinyl siding and primed metal substrates. Vinyl siding and similar plastic composites should not be painted with a color darker than the original color. Painting vinyl siding or plastic composites with a darker color may cause them to warp. Color selection for use over vinyl siding is limited. For information, call 1-800-441-9695.

RECOMMENDED SUBSTRATES

Aluminum	Ferrous Metal	Stucco
Brick	Fiber Cement	Vinyl
Concrete	Masonry	Wood

CONFORMANCE STANDARDS

VOC compliant in all regulated areas

PRODUCT INFORMATION

769-10	White & Pastel Base
769-20	Midtone Base*
769-40	Ultra Deep Base*

*Must be tinted before use.

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

PACKAGING

1-Gallon (3.78 L)
5-Gallon (18.9 L)

Not all products are available in all sizes.

FEATURES / BENEFITS**Features**

One Coat Hide*
100% Acrylic
Outstanding Dirt Resistance
Enhanced UV Resistance
Excellent Adhesion
Provides a mildew and algae resistant coating
Application Down to 35°F
Limited Lifetime Warranty

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic
GLOSS:	Satin: 15 to 25 @ 60°
VOLUME SOLIDS*:	41% +/- 2%
WEIGHT SOLIDS*:	53% +/- 2%
WEIGHT/GALLON*:	10.4 lbs. (4.7 kg) +/- 0.2 lbs. (91 g)
VOC*:	<50 g/L (0.4 lbs./gal.)

*Product data calculated on product 769-10.

COVERAGE: 250 to 300 sq. ft. (23 to 27 sq. meters) per US gallon (3.78 L)

Wet Film Thickness:	5.3 - 6.4 mils
Wet Microns:	135 - 163
Dry Film Thickness:	2.2 - 2.6 mils
Dry Microns:	56 - 64

Coverage does not include variation due to application methods, surface porosity, and/or mixing. Film build, color and gloss may vary depending on the substrate's porosity. More porous substrates may require a second coat to achieve a uniform appearance.

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.

To Touch: 30 minutes

To Recoat: 4 hours

Dry time @ 35°F (2°C); 50% relative humidity.

To Touch: 3 to 6 hours

To Recoat: 24 hours

For optimum tannin blocking, allow the first coat to dry a full 24 hours prior to application of a second coat. Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

CLEANUP: Clean tools with warm soapy water.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: Over 200°F (93°C)

Benefits

Saves time and money compared to traditional two-coat products
Outstanding durability
Provides a clean appearance
Color stays true
Minimizes peeling and cracking
Stays clean
Extends the painting season
Warrants against cracking, peeling, & flaking on residential homes

*Some colors, drastic color changes, or porous surfaces may require more than one coat to achieve a uniform finish

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose, peeling paint, dirt, mildew, grease, oil, chalk, rust, and any other surface contaminants. Repair all moisture problems. Blistering and peeling issues are commonly caused by moisture behind the paint film. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough and patched surfaces. When applied to an uncoated substrate or to bare wood, two coats are required with the first coat acting as the primer. For metal, tannin staining woods, fresh concrete or masonry (less than 30 days cure), or chalky surfaces, use of the appropriate high quality specialty primer is recommended for best results.

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. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

ALUMINUM: This substrate may present potential adhesion problems. Any coating applied directly to aluminum should be spot applied, allowed to cure overnight, and then evaluated for adhesion. If adhesion is good, the application may proceed.

BRICK: New brick and mortar should cure for at least 7 days and preferably 30 days prior to priming and painting. The pH of the substrate must be less than 13 before priming. Painting glazed brick is not recommended due to potential adhesion problems.

CONCRETE and MASONRY: New concrete should cure for at least 7 days and preferably 30 days prior to priming and painting. The pH of the substrate must be less than 13 before priming.

FERROUS METAL: The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants, and then primed.

FIBER CEMENT: Fiber cement siding and trim board may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 30 days prior to priming and painting. The pH of the substrate must be less than 13 and the moisture content must be less than 12% prior to priming and topcoating. All cracks and opens seams should be caulked to prevent water penetration. Pre-primed board from the manufacturer may not be uniformly or completely sealed. It is recommended that an alkali resistant primer be applied to ensure complete and uniform sealing prior to topcoating.

STUCCO: New stucco should cure for at least 7 days and preferably 30 days prior to priming and painting. The pH of the substrate must be less than 13 before priming. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition.

VINYL and ARCHITECTURAL PLASTIC: Vinyl and similar architectural plastics may present potential adhesion problems. A primer may be required to promote proper adhesion. Consult the manufacturer's guidelines prior to painting. Primer and topcoat should be spot applied, allowed to cure overnight, then evaluated for adhesion. If adhesion is good, the application may proceed. Check adhesion by applying a piece of masking tape. When the masking tape is removed, if the coating peels off, the surface must be scuff sanded prior to proceeding to ensure mechanical adhesion. Vinyl siding and similar plastic composites should not be painted with a color darker than the original color. Painting vinyl siding or plastic composites with a darker color may cause them to warp. Color selection for use over vinyl siding is limited. For information, call 1-800-441-9695.

WOOD: Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime.

RECOMMENDED PRIMERS

Aluminum	17-921XI
Brick	4-503, 4-603XI, 17-921XI
Concrete & Masonry	4-503, 4-603XI, 17-921XI, Self-priming
Ferrous Metal	4020, 90-712, 90-912
Fiber Cement	4-2, 4-503, 4-603XI, Self-priming
Stucco	4-2, 4-503, 4-603XI, 4-808, 4-809, 4-898, Self-priming
Vinyl	17-921XI
Wood	17-921XI, Self-priming

LIMITATIONS OF USE

Apply only when air, surface, and product temperatures are above 35°F (2°C) and at least 5°F (3°C) above the dew point. Air and surface temperatures must remain above 35°F (2°C) for the next 48 hours. Do not apply late in the day when dew and condensation are likely to form or if rain or snow is expected. On large expanses of metal, temperatures must be 50°F (10°C) or higher.

Do not thin.

PROTECT FROM FREEZING.

Not recommended for use on steps or floors.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae.

APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, intermix to ensure color uniformity. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

Application Equipment: Apply with a high-quality brush, roller, paint pad, or by spray equipment.

Airless Spray: Pressure 1500 to 2000 psi; tip 0.015" to 0.021". 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.

Brush: Polyester/Nylon Brush

Roller (nap roller cover): 3/8" - 3/4"

Thinning: Do not thin.

Permissible temperatures during application:

Material:	35 to 90°F	2 to 32°C
Ambient:	35 to 100°F	2 to 38°C
Substrate:	35 to 100°F	2 to 38°C

PRECAUTIONS

WARNING! HARMFUL IF INHALED. MAY CAUSE ALLERGIC SKIN REACTION. Do not breathe vapor or mist. Do not get on skin or clothing. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.** **FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

PITT-TECH® | 90-712 SERIES

DESCRIPTION

One-component, int./ext. DTM industrial primer

PRINCIPAL CHARACTERISTICS

- Excellent adhesion
- Easy to apply
- Low odor, soap and water clean up
- Flash rust resistant

COLOR AND GLOSS LEVEL

- Red Oxide, white, gray
- Flat

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	39 ± 3%
VOC (Supplied)	max. 1.1 lb/US gal (approx. 128 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 250°F (121°C)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) depending on system
Theoretical spreading rate	313 ft²/US gal for 2.0 mils (7.8 m²/l for 50 µm)
Shelf life	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
- Two coats are required for maximum protection and for applications where this product is used as a finish coat

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.

PITT-TECH® | 90-712 SERIES

Steel

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1
- Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance

Non-ferrous metals and galvanizing

- Remove oil or soap film with detergent or emulsion cleaner as per SSPC SP-1 and galvanizing requirements, then use a phosphatizing conversion coating
- Alternately, power tool clean to uniformly abrade the surface or lightly abrasive blast with a fine abrasive to produce a uniform and dense anchor profile of 1.0 – 2.0 mils (25 – 50 µm) in accordance with SSPC SP-16.
- Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust
- Galvanized surfaces that have been passivated with a chromate treatment must be abrasive blasted. Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed.

Concrete / Masonry

- Clean concrete surface, abrasive blast per ASTM D4259 or acid-etch in accordance with ASTM D 4260
- Fill concrete voids with AMERCOAT 965 or AMERCOAT 114 A
- Clean masonry surfaces by ASTM D4261
- Fill masonry block with AMERLOCK 400 BF block filler, 6-19, 16-90, or PPG 4-100 acrylic block filler

Substrate temperature and application conditions

- Surface temperature during application should be between 50°F (10°C) and 130°F (54°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 50°F (10°C) and 100°F (38°C)
- Relative humidity in excess of 85% will slow curing

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

INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing

PITT-TECH® | 90-712 SERIES

Application

- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote amine blush and ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Avoid exterior painting late in the day or when dew or condensation are likely to form or if rain is expected

Material temperature

Material temperature during application should be between 60°F (16°C) and 90°F (32°C)

Air spray

- Use standard conventional equipment

Recommended thinner

Tap water

Volume of thinner

0 - 5%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Nozzle pressure

0.4 - 0.5 MPa (approx. 4 - 5 bar; 55 - 70 p.s.i.)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Airless spray

- 28:1 pump or larger

Recommended thinner

Tap water

Volume of thinner

0 - 5%

Nozzle orifice

0.015 - 0.019 in (approx. 0.38 - 0.48 mm)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

PITT-TECH® | 90-712 SERIES

Brush/roller

- Use a high quality polyester/nylon brush and/or a high quality 3/8" nap roller. In hot or dry conditions, layoff lightly rolling with 3/8" nap roller cover. Multiple coats may be required to achieve specified film thickness

Recommended thinner

Tap water

Volume of thinner

0 – 5%

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Cleaning solvent

Soap and water

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	10 hours	5 hours	3 hours
	Maximum	Unlimited	Unlimited	Unlimited

Note: Overcoating times valid for a relative humidity of 50%

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	4 hours	10 hours
70°F (21°C)	75 minutes	5 hours
90°F (32°C)	45 minutes	3 hours

Note: Curing times valid for a relative humidity of 50%

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements
- Can help earn LEED 2009 credits
- Performance offset to Federal Standard TT-P-1975 and Mil-P-28577, and Mil-P-53032

DISCLAIMER

- For industrial or professional use only

PITT-TECH® | 90-712 SERIES

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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.

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.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

AVAILABILITY

Packaging

1-gallon and 5-gallon kits



PITT-TECH® | 90-712 SERIES

Product codes	Description
90-708	Red Inhibitive primer
90-709	Gray primer
90-712	White primer

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

DESCRIPTION

One-component, int./ext. semi-gloss DTM industrial grade enamel

PRINCIPAL CHARACTERISTICS

- 100% waterborne acrylic enamel
- Excellent adhesion for true DTM performance
- Easy to apply
- Low odor during application
- Fast drying properties
- Flash rust resistant
- Good abrasion, chemical, and corrosion resistance
- Provides mildew resistant coating
- Washable, scrub resistant
- Soap and water clean up

COLOR AND GLOSS LEVEL

- White and Pastel Base, Midtone Base, Neutral Base, Red Base, Yellow Base, Black
- Semi-gloss

Note: Certain colors, especially red, orange, and yellow may require additional coats for adequate hiding, especially if applied over primers with a significant color contrast

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	40 ± 2%
VOC (Supplied)	max. 0.4 lb/US gal (approx. 50 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 250°F (121°C)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) depending on system
Theoretical spreading rate	320 ft²/US gal for 2.0 mils (7.9 m²/l for 50 µm)
Shelf life	At least 36 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

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.

Steel

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1
- Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance
- Note that a primer must be used on all bare metal substrates when using colors made from Midtone and Neutral bases
- When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance

Non-ferrous metals and galvanizing

- Remove oil or soap film with detergent or emulsion cleaner as per SSPC SP-1 and galvanizing requirements, then use a phosphatizing conversion coating
- Alternately, power tool clean to uniformly abrade the surface or lightly abrasive blast with a fine abrasive to produce a uniform and dense anchor profile of 1.0 – 2.0 mils (25 – 50 µm) in accordance with SSPC SP-16.
- Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust
- Galvanized surfaces that have been passivated with a chromate treatment must be abrasive blasted. Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed.

Concrete / Masonry

- Clean concrete surface, abrasive blast per ASTM D4259 or acid-etch in accordance with ASTM D 4260
- Fill concrete voids with AMERCOAT 965 or AMERCOAT 114 A
- Clean masonry surfaces by ASTM D4261
- Fill masonry block with AMERLOCK 400 BF block filler or PPG 4-100XI acrylic block filler

Wood

- Sand new bare wood to remove any surface contamination and surface cells
- Remove oil spots, sap or pitch by wiping with 97-737 thinner
- Properly dispose of solvent rags to avoid spontaneous combustion hazard
- A wood primer or a first coat of this product may be used to prime the surface
- To recoat primed wood, remove all dirt, grease, or oil with a cleaner. Rinse with clean water. Remove wax with a commercial de-waxer. Sand loose paint to a tight, adherent surface

Dry wall

- Tape all joints, fill cracks and nail holes with patching, paste or spackle; sand smooth. Remove all dust. Unsealed drywall will require at least 2 coats of this product

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

Substrate temperature and application conditions

- Surface temperature during application should be between 40°F (4°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 100°F (38°C)
- Relative humidity in excess of 85% will slow curing

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

- Primers for concrete, masonry, stucco, plaster: 4-603XI, 4-808, AMERLOCK SERIES (concrete)
- Primers for CMU: 4-100XI, AMERLOCK 400BF, 6-15XI
- Primers for ferrous metal: self-priming, 90-1912 SERIES, METALHIDE 2000, 6-208, 7-852, AMERLOCK 2/400, DIMETCOTE 9 SERIES
- Primers for non-ferrous metals: self-priming, 90-1912 SERIES, 6-204, 6-208, 6-209
- Primers for drywall: 6-2, 9-900, 17-921XI
- Primers for Exterior Wood: 17-921XI

INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing

Application

- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Avoid exterior painting late in the day or when dew or condensation are likely to form or if rain is expected

Material temperature

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

Airspray

- Use standard conventional equipment

Recommended thinner

Tapwater

Volume of thinner

0 - 5%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Nozzle pressure

0.3 - 0.5 MPa (approx. 4 - 5 bar; 50 - 70 p.s.i.)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Airless spray

- 28:1 pump or larger

Recommended thinner

Tapwater

Volume of thinner

0 - 5%

Nozzle orifice

0.013 - 0.017 in (approx. 0.33 - 0.43 mm)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Brush/roller

- Use a high quality polyester/nylon brush and/or a high quality 3/8" nap roller. In hot or dry conditions, lay off lightly rolling with 3/8" nap roller cover. Multiple coats may be required to achieve specified film thickness

Recommended thinner

Tapwater

Volume of thinner

0 - 5%

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

Cleaning solvent

Soap and water

ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)					
Overcoating with...	Interval	40°F (4°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	1 hour	1 hour	45 minutes	30 minutes
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Notes:

- Overcoating times valid for a relative humidity of 50%
- Drying times may vary depending on temperature, humidity, and air movement

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
40°F (4°C)	30 minutes	1 hour
50°F (10°C)	30 minutes	1 hour
70°F (21°C)	15 minutes	45 minutes
90°F (32°C)	10 minutes	30 minutes

Note: Curing times valid for a relative humidity of 50%

Product Qualifications

- Meets MPI Category #153, Light Industrial Coating, Interior, Water Based, Semi-Gloss (MPI Gloss Level 5)
- Meets MPI Category #153 X-Green™, Light Industrial Coating, Interior, Water Based, Semi-Gloss (MPI Gloss Level 5)
- Meets MPI Category #163, Light Industrial Coating, Exterior, Water Based, Semi-Gloss (MPI Gloss Level 5)

DISCLAIMER

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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.

PITT-TECH® PLUS EP DTM ACRYLIC SEMI-GLOSS

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 up on 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.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

AVAILABILITY

Packaging

1-gallon and 5-gallon containers

Product codes	Description
90-1610	White and Pastel Base
90-1620	Midtone Base*
90-1640	Neutral base*
90-1653	Black
90-1660	Red base
90-1680	Yellow base

Note: * Must be tinted

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Prepared For

Three Horizon North
1470 NE 125th Ter
North Miami, FL 33161
(954) 999-8255

Made painting And Remodeling

7605 Nw 32 Place
Davie, FL 33024
Phone: (786) 356-0171
Email: madepainting1@gmail.com
Web: madepaintingandremodeling.com

Estimate # 688
Date 03/20/2023
Business / Tax # 83-1797082

Description		Total
Pressure clean entire building	<u>1E</u> IE	Included \$0.00
Pressure wash to remove oil, grease, dirt, loose mill scale and loose paint by water at pressures of 2500-3000 PSI and detergent. Power tool clean per SSPC-SP3 to remove loose rust and mill scale. Hand tool clean per SSPC-SP2 and sand all glossy surfaces to promote adhesion.		
Remove mildew per the following:		
a. Tools: Stiff brush, garden pump sprayer or chemical injector power washer method.		
b. Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting.		
Apply caulking where need it.	<u>1E</u> IE LQ	\$0.00 Included
Protect and cover all floors and windows	<u>1E</u> IE LQ	\$0.00 Included
Repair and patch all cracks and holes	<u>1E</u> IE LQ	\$0.00 Included
sealer primer on all stucco surfaces	<u>1E</u> IE LQ	\$0.00 Included

Paint entire building

\$100,000

~~100,000~~

Prime and paint all balcony railings

\$5,000

~~5,000~~

Subtotal

105,000

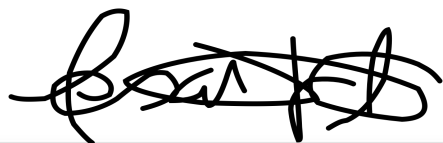
~~105,000~~

Total

\$105,000

~~105,000~~

~~Payment will be 50% to start the job, remaining balance upon completion of all work. any additional work that is not listed on the estimate will be subject to extra charge~~



Cesar Candelario

Liliana Quintero

Irma Encina
Irma Encina (Mar 28, 2024 17:13 EDT)

Three Horizon North

Payment schedule IE

LQ

1. At contract Signing \$10,000.00
2. Upon Completion of Setup ~~\$18,000.00~~ 25,0000 Cc
3. Upon Completion of Surface prep ~~\$28,000.00~~ \$35,000 Cc
4. Upon Completion and Final of Permit ~~\$29,000.00~~ \$35,000 Cc