



ADDENDUM #2
REQUEST FOR BIDS
No. 2016-025

Effective: March 30, 2016

Project: Activity Center Painting and Carpet and Partition Wall Replacement

Issued By: Jacob M. Fayad, Capital Projects Program Manager
Department of Public Works
800 Rabbit Road
Gaithersburg, Maryland 20878

This Addendum is incorporated into and made part of Request for Bids 2016-025. Below is the specification for the lobby and hallway wall paint (Phase VII of the Project).

NOTE: For the most accurate and up-to-date information, take care to only use Guide Specifications directly from the Zolatone website. www.zolatone.com

GUIDE SPECIFICATIONS
SECTION 09 94 19
POLOMYX®
MULTI-COLOR WALL FINISH

Our classic multicolor paint. Polomyx blends colors together to create a mottled patina with a layered and natural look. The most sophisticated and flexible multicolor finish on the market.

Multicolor surfaces conceal scuffs and stains far better than solid colors. That's a major reason Polomyx has been so popular with architects, designers and facilities managers for over 50 years.

Polomyx can assist in achieving LEED Credit #4.2, Low Emitting Materials: Paints and Coatings in the Indoor Environmental Quality Section of the LEED 2.1 Green Building Rating System.

[Note: This guide specification may be used for all Polomyx water-based products.]

Specification Coordination: Edit this guide specification according to project requirements. Add, delete, or modify text as required. Coordinate this Section with related sections and with Bidding and Contract requirements. This guide specification can be accessed on our web site, www.zolatone.com.

Drawing Coordination: Show extent of surfaces to receive Polomyx on the Drawings or Room Finish Schedule.

Design Assistance: For complete product information and samples, contact your local Zolatone representative or contact Zolatone directly at 800-765-6699, Fax 651-414-6266, or write, Master Coating Technologies, 2777 Eagandale Boulevard, Eagan, MN 55121

Product Data Sheet



Product Name Polomyx® All-Acrylic

Description/Uses "Polomyx All-Acrylic waterbase multicolor is a seamless, spray-applied paint finish. It is visually complex, layered and dimensional, and can achieve many different looks on interior walls. Functionally, it is durable, cleanable, spot repairable and cost effective. All-Acrylic is very easy to clean and provides exceptional chemical and abrasion resistance. All-Acrylic is also extremely low in VOC, breathable, resists the growth of mold and mildew on the paint film, and is well suited for installation in any continuously occupied space.

Use Polomyx All-Acrylic to finish interior walls, columns, ceilings and other architectural components. Not intended for floors, exterior applications or areas subject to frequent water contact.

(Note: This product data sheet may also be used for products identified as Polomyx Waterbase or Zolatone Waterbase multicolor finishes).

Surface Preparation Surfaces should be clean, dry, and free of dust, grease, wax or other contaminants. Gloss surfaces need to be deglossed or scuff sanded prior to base coat application. Water-soluble stains should be spot primed with SP222 ECO-BLOCK™ Stain Blocker before general priming. All surfaces should be prepared with the proper Zolatone Interior Finishes' basecoat as detailed in the Basecoat Selection Guide.

Application Information

Method Spray only. Polomyx All-Acrylic should be sprayed using conventional spray equipment and according to manufacturer's published installation instructions. Consult Application Guide or visit www.zolatone.com regarding the proper spray equipment and set-up. DO NOT USE AIRLESS SPRAY EQUIPMENT.

Tinting Do not tint.

Thinning Product is ready for use. See All-Acrylic Application Guide for details on evaluating and adjusting material viscosity

Drying Air dry @ 70 ° F and 50% R.H.
To touch 1-2 hours. Dry hard overnight. Full cure within 7-10 days.
Drying time may vary depending on humidity and temperature.

Specifications

Coverage Rate Up to 125-175 square ft/gallon depending upon pattern size, surface porosity, surface texture and method of application. (Up to 13-18 m² per gallon).

Dry Film Thickness Average 3.0 mils. Maximum VOC 60 grams per liter

Solid by Volume 25-30% Solids by Wt. 35-40%

Specular Gloss Maximum of 10 @ 60 ° angle Service Temp Min. 50 ° F Max. 85 ° F

DOT Shipping Class Not Regulated Flash Point Not Applicable

Caution Protect from freezing. Do Not apply when temperature of paint or surface is below 50° F.

Application Guide

Plx Polomyx

Getting Started

Application Tips

Application Temperature: 50° - 85° F

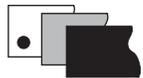
Spread Rate: Up to 125-150 square feet per gallon. Depending on surface porosity and texture, size of pattern and method of application.

Drying Time: 2-4 Hours Depending on humidity and temperature
Full film integrity at 7-10 days.

Ambient Light conditions will have an effect on the final appearance. Use proper lighting while applying.

Mock Up Wall

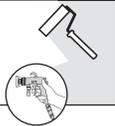
Zolatone recommends applying a mock up area to be approved by the specifier before beginning general application.



A. Wall Prep

Recommended Minimum Drywall Finish

3 White Primer



DO NOT TINT PRIMER
ZOLATONE PRIMER MUST BE WHITE

Water-soluble stains should be spot primed with Zolatone Primer SP235 prior to general priming.

B. Mixing



Stir by hand with a gentle rolling motion, box or mix using hand mixer.

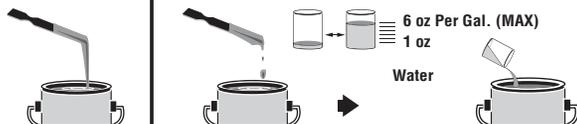


DO NOT USE A MECHANICAL AGITATOR

C. Thinning

SPRAY

ONLY IF NECESSARY



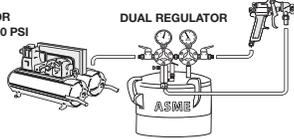
If you think it is necessary to thin your Zolatone product, stop and call customer service. You will be helped by Technical Service. **1-800-765-6699**

Equipment

FLUID NEEDLE 565



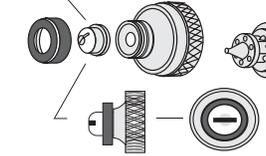
BINKS GUN PISTOLA 2001



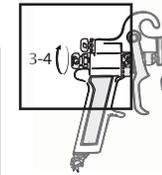
COMPRESSOR
6.9 CFM @ 100 PSI
(or greater)

DUAL REGULATOR

NOZZLE TIP 200



FLUID NOZZLE 66SS



Restrict Paint Control Knob 3-4 turns clockwise from open position

Application Speed



Spraying too rapidly may result in a non-uniform appearance.

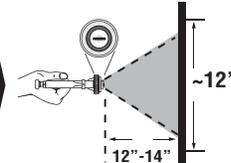


I. Sheer Coat

(1) FLUID PRESSURE

(2) AIR PRESSURE

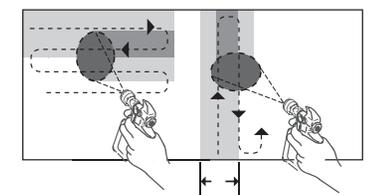
FLUID	AIR	CFM
50-60 psi	40-50 psi	6.9
60-70 psi	50-60 psi	6.9
80 psi	65-70 psi	8.0
90 psi	75-80 psi	20



Set air pressure with gun half-triggered.

1 COAT = 2 PASSES

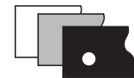
1st PASS (paso) - Horiz. 2nd PASS (paso) - Vert.



50% overlap.



DRY TO TOUCH

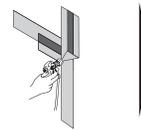


2. Pattern Coat

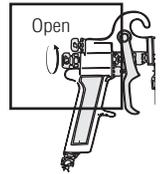
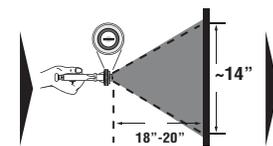
USE CROSS-LAP 2-PASS APPLICATION

- Slightly Faster
- 18" to 20" from wall
- Paint Control Knob Open

1st PASS (paso) - Horiz.



2nd PASS (paso) - Vert.



LOWER PRESSURES — Presiones Inferiores

FLUID PRESSURE	AIR PRESSURE — SIZE		
	SMALL PARTICLE	MEDIUM PARTICLE	CFM
40 psi	30-40 psi	15-25 psi	6.9
50 psi	35-50 psi	20-30 psi	8.0
60 psi	40-60 psi	20-35 psi	20

Visit www.zolatone.com for more information

All settings represent working pressures (i.e., when the gun is triggered). The true measure of proper equipment settings is in the final result on the wall. Pressures shown above are guidelines. Your actual settings may vary due to equipment differences, temperature of the material, environment and the work height.

For complete product data sheets, guide specs, LEED compliance and MSDS visit www.zolatone.com or call **1-800-765-6699**



If you are not clear on any part of this application, **STOP and call!** **1-800-765-6699**

Trouble Shooting

- 1 Wall Does Not Match Jobsite Standard: Without a (A) white primed surface, (1) sheer coat and (2) pattern coat, the wall will not match the jobsite standard, and the integrity and reparability of the Zolatone product is compromised. Always use the 3 step system.
- 2 Line and Lap Marks: The sheer step is not being atomized and the primer is showing through the multicolor film. Recheck the fluid control knob adjustment and air to paint pressure settings. Always judge the uniformity of the sheer step after it is "dry-to-touch" before applying the pattern step.
- 3 Particle size too small: Recheck the fluid control knob restriction setting and lower the air pressure "atomization" to provide a larger particle.
- 4 Particle size too large: Adjust air pressure "atomization" higher to provide a smaller particle.

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MCT Corporate Offices:
2777 Egandale Boulevard
Eagan, MN 55121

zolatone

Performance Test Results

A.	V.O.C.: Less than 60grams/liter	ASTM-3960
B.	ContinuousColor™: Complete integration of color particles within and throughout the paint finish.	
C.	Coverage: Up to 125-175 square feet per gallon (up to 13-18 sq. meters per gallons) pending pattern size, surface porosity, surface texture and method of application.	
D.	Fire Rating: Coating shall be Class “A” Fire Rated	ASTM E-84
E.	Scrubability: 5130 cycles (slight wear).	ASTM D 2486.
F.	Scrubability: 40,000+ cycles (no wear)	Fed Std 141 B Method 6142
G	Abrasion Resistance: 50 mg loss / 1000 cycles / 1000 gram weight.	ASTM D-4060-84
H.	Accelerated Weathering: 2000 hours. No chalking or change in film integrity. Very good color retention. Excellent water resistance.	ASTM G-53
I.	Stain Resistance: Resistant to the following: mustard, catsup, butter, orange juice, soda, vegetable oil, acetic acid, gasoline, motor oil and betadine.	ASTM D 1308
J	Practical Washability of Organic Coatings: Rated “7” or higher for each stain tested. Passes LEED™ requirement of minimum “7” rating.	ASTM D-4828
K.	Washability: No Change in Specular Gloss.	Fed Std 141B Method 6141
L.	Resistance to Common Cleaners and Disinfectants including: soapy water, liquid cleansers, mild-abrasive cleansers, 70% isopropyl alcohol solutions. Film Not Affected.	ASTM D-1308
M.	Adhesion Over Primed Surfaces: Good adhesion.	ASTM D-3359
N.	Hardness-Pencil: 2B	ASTM D-3363
O.	Flexibility Test: No cracking of film when bent around a 1/8” mandrel.	ASTM D-522
P.	Resistance of Emulsion Paint in the Container to attack by Micro-Organism. No Growth	ASTM D-2574
Q.	Permeability: 5.2 perms (with SP92 or SP203, 100% acrylic basecoats)	ASTM D-1653

R.	Mildew and Fungal Resistance: No growth.	ASTM D-3273.
S.	Bacterial Resistance: No growth.	ASTM D-3456.
T.	Flashpoint: D.O.T. / OSHA - Not Regulated	ASTM D-56
U.	Specular Gloss: Maximum of 10 @ 60°.	ASTM D-523
V.	Impact Resistance: Pass: 80 lbs.-in, no visible cracking (over Bonderite Steel Panel)	ASTM D-2794
W.	Hiding Power of Paints by Reflectometry: not less than .96 contrast ratio. Passes LEED™ requirement of minimum .95 contrast ratio.	ASTM D-2805
X.	Lifting: Polomyx Waterbase can be recoated, painted or covered with sheet goods without stripping.	Fed Std 141B Method 6252

SECTION 09 94 19

MULTI-COLOR WALL FINISH

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions, Division 01 - General Requirements, and other applicable specification sections in the Project Manual apply to the work specified in this Section.

1.02 SUMMARY

- A. **Scope:** Provide labor, material, equipment, related services, and supervision required, including, but not limited to, manufacturing, fabrication, erection, and application for multi-color wall finishes as required for the complete performance of the work, and as shown on the Drawings and as herein specified.
 - 1. Provide a water-based single component multi-color finish in a single can that shall be spray-applied. Product shall meet or exceed applicable LEED standards, and shall meet or exceed values indicated in the Performance Paragraph. Product shall contain anti-microbial product that shall fight mold and mildew build-up on the dried paint film.
- B. **Related Sections:** Related sections include, but shall not be limited to, the following:
 - 1. Section 03 30 00 - Cast-in-Place Concrete.
 - 2. Section 03 40 00 - Precast Concrete.
 - 3. Section 04 20 00 - Unit Masonry.
 - 4. Section 09 20 00 - Lath and Plaster.
 - 5. Section 09 29 00 - Gypsum Board.
 - 6. Section 09 90 00 - Painting.
 - 7. Section 09 96 59 - Glazed Wall Coatings.

1.03 REFERENCES

- A. **General:** The publications listed below form a part of this Specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications shall be the latest date as of the date of the Contract Documents, unless otherwise specified.
- B. **ASTM (ASTM)**
 - 1. ASTM D 56, "Standard Test Method for Flash Point by Tag Closed Tester."
 - 2. ASTM D 522, "Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings."
 - 3. ASTM D 523, "Standard Test Method for Specular Gloss."
 - 4. ASTM D 1308, "Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes."
 - 5. ASTM D 1653, "Standard Test Methods for Water Vapor Transmission of Organic Coating Films."
 - 6. ASTM D 2486, "Standard Test Method for Scrub Resistance of Interior Latex Flat Wall Paints."
 - 7. ASTM D 2574, "Standard Test Method for Resistance of Emulsion Paints in the Container to Attack by Microorganisms."

8. ASTM D 2794, "Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)."
9. ASTM D 2805, "Standard Test Method for Hiding Power of Paints by Reflectometry."
10. ASTM D 3273, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber."
11. ASTM D 3359, "Standard Test Method for Measuring Adhesion by Tape Test."
12. ASTM D 3363, "Standard Test Method for Film Hardness by Pencil Test."
13. ASTM D 3456, "Standard Practice for Determining by Exterior Exposure Tests the Susceptibility of Paint Films to Microbiological Attack."
14. ASTM D 3960, "Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings."
15. ASTM D 4060, "Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser."
16. ASTM D 4828, "Standard Test Methods for Practical Washability of Organic Coatings."
17. ASTM E 84, "Standard Test Method for Surface Burning Characteristics of Building Materials."
18. ASTM G 53, "Standard Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV - Condensation Type) for Exposure of Non-Metallic Materials."

C. **Federal Standards (Fed. Std.):**

1. Fed. Std. 141, "Paint, Varnish, Lacquer and related materials: Methods of Inspection, Sampling and Testing."

D. **South Coast Air Quality Management District (SCAQMD):**

1. SCAQMD Rule #1168, "Adhesive and Sealant Applications," including most recent amendments.

E. **SSPC: The Society for Protective Coatings (SSPC):**

1. SSPC SP-3, "Surface Preparation Specification No. 3, Power Tool Cleaning."

1.04 SYSTEM DESCRIPTION

A. **Performance:**

1. **Abrasion Resistance:** 50 mg loss/1000 cycles/1000 gram weight, ASTM D 4060.
2. **Accelerated Weathering:** 2000 hours, no chalking or change in film integrity, very good color retention, excellent water resistance, ASTM G 53.
3. **Adhesion Over Primed Surfaces:** Good adhesion, ASTM D 3359.
4. **Bacterial Resistance:** No growth, ASTM D 3456.
5. **Continuous Color:** Complete integration of color particles within and throughout the paint finish.
6. **Coverage:** Up to 150 square feet per gallon (3.6 square meters per liter) depending upon pattern size, surface porosity, surface texture and method of application.
7. **Fire Rating:** Coating shall be Class A fire-rated, ASTM E 84.
8. **Flashpoint:** D.O.T., not regulated; OSHA, not regulated; ASTM D 56.
9. **Flexibility Test:** No cracking of film when bent around a 1/8 inch (3 mm) mandrel, ASTM D 522.
10. **Hardness, Pencil:** 2B, ASTM D 3363.
11. **Hiding Power of Paints by Reflectometry:** Not less than 0.96 contrast ratio, passes LEED requirement of minimum 0.95 contrast ratio, ASTM D 2805.
12. **Impact Resistance:** Pass, 80 lbs. in, no visible cracking (over bonderite steel panel), ASTM D 2794.
13. **Lifting:** Can be re-coated, painted or covered with sheet goods without stripping, Fed. Std. 141, Method 6252.
14. **Mildew and Fungal Resistance:** No growth, ASTM D 3273.
15. **Permeability:** 5.2 perms (with 100 percent acrylic primer), ASTM D 1653.

16. **Practical Washability of Organic Coatings:** Rated 7 or higher for each stain tested, passes LEED requirement of minimum 7 rating, ASTM D 4828.
17. **Resistance of Emulsion Paint in the Container to Attack by Micro-Organism:** No growth, ASTM D 2574.
18. **Resistance to Common Cleaners and Disinfectants:** Including, but not limited to, soapy water, liquid cleansers, mild abrasive cleansers, 70 percent isopropyl alcohol solutions, film not affected, ASTM D 1308.
19. **Scrubability:** 5130 cycles (slight wear), 40,000+ cycles (no wear), ASTM D 2486, Fed. Std. 141 Method 6142.
20. **Specular Gloss:** Maximum of 10 at 60 degrees, ASTM D 523.
21. **Stain Resistance:** Resistant to the following: mustard, catsup, butter, orange juice, soda, vegetable oil, acetic acid, gasoline, motor oil, and betadine, ASTM D 1308.
22. **VOC:** 50 grams/liter, ASTM D 3960.
23. **Washability of Paints:** No change in specular gloss, Fed. Std. 141, Method 6141.

1.05 SUBMITTALS

- A. **General:** See Section 01 33 00 - Submittal Procedures.
- B. **Product Data:** Submit product data showing material proposed. Submit sufficient information to determine compliance with the Drawings and Specifications. Product data shall include, but shall not be limited to, manufacturer's product data and application instructions.
- C. **Samples:**
 1. **Color Samples:** Submit two samples of each color (5 inches [127 mm] by 8 inches [203 mm]).
 2. **Control Samples:** Submit a spray-out with each batch of finish coat to demonstrate that batches match approved samples.
- D. **Quality Control Submittals:** Submit letter from manufacturer stating that applicator has completed manufacturer's training program.
- E. **LEED Submittals:** Submittals that are required to comply with requirements for LEED certification include, but shall not be limited to, the following:
 1. **Regional Materials:** Provide product data for regional materials indicating location and distance from the Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Distance shall be within 500 miles (805 Km) of the Project Site. Include statement indicating cost for each regional material and, if applicable, the fraction by weight that is considered regional.

Above applies to Credit MR 5.1 and MR 5.2. Below applies to Credits EQ 4.1 (Adhesives and Sealants) and EQ 4.2 (Paints and Coatings).

2. **Low-Emitting Materials:** Submit certification by the manufacturer confirming that products (i.e., adhesives, sealants, paints, coatings, etc.) meet or exceed the volatile organic compound (VOC) limits set by specific agencies or other requirements as outlined in LEED Green Building Rating System. VOC limits shall be clearly stated in the submittal.

1.06 QUALITY ASSURANCE

- A. **Qualifications:**
 1. **Manufacturer Qualifications:** Manufacturer shall be a firm engaged in the manufacture of multi-color wall finish of types and sizes required, and whose products have been in satisfactory use in similar service for a minimum of five years.

- a. Manufacturer to certify they make all materials in this Section.
- b. All materials within special coatings section including, but not limited to, finishes, and primers shall be supplied by one manufacturer.

Contact Zolatone or your local Zolatone representative for names of trained applicators in your Project area.

2. **Applicator Qualifications:** Recommended that Applicator shall be a firm with experience of successful applications/experience with projects utilizing specialty wall finishes similar in type and scope to that required for this project.
- B. **Regulatory Requirements:** Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction. Obtain necessary approvals from such authorities.
- C. **Fire Ratings:** Provide Class A fire hazard classification, test procedure ASTM E 84.
- D. **Mock-Ups:** Prior to application of the work, fabricate and erect mock-ups for each type of finish and application required to verify selections made under sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution. Build mock-ups to comply with the following requirements, using materials indicated for final unit of work.

Mock-ups are recommended so that full-size field samples can be approved for aesthetic control.

1. Minimum 100 square foot (9.3 square meter) mock-up application of specified coating system on each type of surface. Provide separate mock-up for each color blend.
 2. Upon acceptance by the Architect, mock-ups shall serve as standard for the work.
 3. Mock-up shall remain as part of the completed Project.
- E. **Pre-Application Conference:** Conduct pre-application conference in accordance with Section 01 31 19 - Project Meetings. Prior to commencing the application, meet at the Project site to review the material selections, application procedures, and coordination with other trades. Mock-ups shall be reviewed during the pre-application conference. Pre-application conference shall include, but shall not be limited to, the Contractor, the Applicator, manufacturer's representatives, and any trade that requires coordination with the work. Date and time of the pre-application conference shall be acceptable to the Owner and the Architect.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in their original, unopened containers bearing manufacturer's labels.
- B. Provide fire extinguisher in storage area. Do not leave containers open. Remove empty cans and rags with oil or solvent from building every day.
- C. Store between 50 degrees F (10 degrees C) and 85 degrees F (29 degrees C). Protect from freezing.

1.08 PROJECT CONDITIONS

- A. Apply coating under following conditions:
 1. Temperature of air and substrate is between 50 degrees F (10 degrees C) and 85 degrees F (29 degrees C).
 2. Temperature of substrate is above dew point.
 3. Substrate is dry to touch.

- B. Protect surfaces not to be coated.
- C. Provide adequate illumination.
- D. Provide adequate fresh air and ventilation during application.

1.10 MAINTENANCE MATERIALS

Polomyx specialty finishes are long-lasting, durable, and easy to clean. If coating does become damaged, it is easy to patch or re-coat. Touch-up materials and equipment are readily available, on large projects where the Owner intends to perform their own maintenance, extra stock and equipment can be specified here.

- A. **General:** Provide [one] [two] sheets of finishes “FastFix” samples for each color blend used.
- B. **Extra Stock:** Provide [1 gallon (3.8 l)] [5 gallons (18.9 l)] of each color blend used. Provide in sealed, labeled containers.
- C. **Equipment:** Provide manufacturer recommended touch-up equipment.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. **Basis of Design:** Products specified are those as manufactured by Master Coating Technologies. Items specified are to establish a standard of quality for design, function, materials, and appearance. Equivalent products by listed manufacturers are acceptable. The Architect will be the sole judge of the basis of what is equivalent.

2.02 MATERIALS

- A. **LEED Requirements:**
 1. **Regional Materials:** Provide a minimum of [10 percent (based on cost)] [and an additional 10 percent beyond Credit MR 5.1 (total of 20 percent, based on cost)], of building materials that are regionally extracted, processed, and manufactured.

Above applies to Credit MR 5.1 and MR 5.2. Retain first indicated option above for Credit MR 5.1, retain both options for Credit MR5.2. Below applies to Credits EQ 4.1 (Adhesives and Sealants) and EQ 4.2 (Paints and Coatings).

2. **Low-Emitting Materials:** Use adhesives, sealants, paints, coatings, etc., that comply with the specified limits for VOC content when calculated according to SCAQMD Rule #1168. See LEED Green Building Rating System for VOC content limits.
- B. **Primers, Sealers, and Fillers:** Provide primers recommended by manufacturer for substrates. Do not tint primers. Provide white only.
 1. **Gypsum Board Primer:**
 - a. **Basis of Design:** “SP203 Acrylic Drywall Primer,” Master Coating Technologies.
 2. **Block Filler:**
 - a. **Basis of Design:** “SP206 High Solids Block Filler,” Master Coating Technologies.
 3. **Water Base Primer:**
 - a. **Basis of Design:** “SP97 Multi-Purpose Waterbase Primer,” Master Coating Technologies.

4. **Stain Blocker:**
 - a. **Basis of Design:** "SP97 Multi-Purpose Waterbase Primer," Master Coating Technologies.

- C. **Intermediate and Finish Coats:** Finish shall be ready mixed; no tinting shall be required.
 1. **Basis of Design:** "Polomyx," Master Coating Technologies.

2.03 EQUIPMENT

Equipment is available from your local equipment supplier.

- A. Apply with equipment recommended by coating manufacturer. Use conventional air spraying equipment with internal mix spray gun air cap; dual-regulated, ASME Code-certified 110 psi (758 kPa) tank, and compressor sized to provide necessary volume of air to spray gun on a continuous basis.

PART 3 EXECUTION

3.01 EXAMINATION

- A. **Verification of Conditions:** Examine areas and conditions under which the work is to be applied, and notify the Contractor in writing, with a copy to the Owner and the Architect, of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.
 1. Verify that substrates are ready to receive work of this Section and are in accordance with coating manufacturer's requirements. Report any conditions that would adversely affect the appearance or performance of the coating systems.
 2. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Applicator.

3.02 SURFACE PREPARATION

Coordinate preparation with other applicable specification sections.

- A. **General:**
 1. **Protection:** Prior to surface preparation and application operations, completely mask, remove, or otherwise protect hardware, accessories, plates, lighting fixtures, floors, and similar items in contact with or in the vicinity of coating surfaces, but not scheduled to receive special coating. Protect and store removed items. Re-install items after completion of coating application.
 2. **Cleaning:** Before applying special coating, thoroughly clean surfaces involved. Surfaces shall be clean, dry, and adequately protected from dampness. Surfaces shall be smooth, even and true to place, and free of any foreign material which will adversely affect adhesion or appearance of applied coating.
 3. **Moisture Levels:** Gypsum board, plaster, concrete, and masonry surfaces shall be tested with moisture testing device before coating is applied. No coating shall be applied when moisture content exceeds 12 percent, except as may be required by the manufacturer of the coating materials used.
 4. **Mildew:** Mildew shall be removed and neutralized.
 5. **pH:** pH of surface to be coated shall be under 10.

6. **Priming:** Provide recommended primers for surfaces to receive special coating. The Contractor shall sand and re-prime all abrasions and damage spots in the surface of the primer before proceeding with subsequent finish coat.
- B. **Concrete:** Remove high spots, fill holes, and clean surfaces as specified in Section 03 30 00 - Cast-In-Place Concrete. Cure 28 days minimum before application of coating.
- C. **Masonry:** Tool joints and clean surfaces as specified in Section 04 20 00 - Unit Masonry. Rinse off cleaning solutions and allow surface to dry. Cure mortar 28 days minimum before application of coating.
- D. **Ferrous Metals:** Remove rust and mill scale. Shop-coated, unprimed, or damaged areas shall be cleaned to meet the requirements of the SSPC SP-3 and primed in accordance with these recommendations. Wire brush or sand damaged or rusted areas to bright metal. Remove grease and other foreign materials with mineral spirits. Touch-up damaged areas of shop primer.
- E. **Non-Ferrous Metals:** Clean with lacquer thinner.
- F. **Wood:** Sand smooth and free of marks. Wash sap spots and knots with mineral spirits. When dry, cover spots and knots with two coats of shellac.
- G. **Plaster:** Cure 28 days minimum before application of coating.
- H. **Gypsum Board:** Apply joint tape and compound to joints, fastener heads, dents, and surface flaws as specified in Section 09 29 00 - Gypsum Board. Prepare surface to a minimum Level 3 gypsum board finish. Use acrylic joint compound, lightweight muds may cause joint problems. Sand smooth and flush with adjacent surfaces.
1. Prepare surface of moisture-resistant board to a minimum Level 3 gypsum board finish. Surface shall be completely primed with manufacturer's recommended stain blocker before general priming.
 2. Prepare surface of impact-resistant board to a minimum Level 3 gypsum board finish. Surface shall be completely primed with manufacturer's recommended stain blocker before general priming.
- I. **Ceramic Tile:** Clean tile and remove mildew. Scuff sand, apply manufacturer's recommended primer.
- J. **Vinyl Wall Coverings:** Verify that seams are laid down and firmly adhered. Prime with manufacturer's recommended primer. Check for intercoat adhesion and plastizer migration prior to applying topcoat.
- K. **Previously Painted Surfaces:** Thoroughly clean and dry surface to be re-coated. Sand lightly and remove sanding dust. Prime entire wall surface with manufacturer's recommended stain blocker before general priming.

For other substrates, contact Zolatone for preparation recommendations. This product is not recommended for exterior surfaces, floors, and surfaces subject to frequent water contact.

3.03 APPLICATION

- A. Follow manufacturer's recommendations and instructions carefully regarding special coating product so as to provide the best quality work.

- B. Equipment shall be kept clean and in proper working condition to provide best quality work as intended by this Section.
- C. Materials shall be applied under adequate illumination, evenly spread, and smoothly applied, free of runs, sags, holidays, lap marks, air bubbles, and pinholes to assure a smooth finish.
- D. Suction or hot spots shall be spot-primed prior to general priming.
- E. Apply as many primer coats as necessary to produce a white uniform substrate appearance. Do not exceed manufacturer's recommended coverage rate. Allow individual coats to dry prior to application of subsequent coats. Over gypsum board, back-roll primer if airless applied.

Select applicable material(s) below.

- F. Over [wood] [and] [gypsum board], sand primer with 100 grit or finer sandpaper. Remove dust.
- G. Apply special coating material by using two-step pressure differential spray technique, with variable control to assure uniform distribution and 100 percent full coat (continuous) coverage. Slight variations in pattern and texture are normal for multi-color coatings.
- H. Apply multicolor finish to "FastFix" sheets as well as the specified substrate. Insert finished sheets into manufacturer's maintenance manual or job close out package. Should any coat of coating be deemed unsatisfactory, it shall be sanded and additional coats applied.

3.04 INSPECTION

- A. Request acceptance of each coat before applying succeeding coats.
- B. Touch-up and repair work that is not acceptable to the Architect and request final acceptance.

3.05 CLEANING

- A. Remove paint spatters from adjoining surfaces.
- B. Repair any damage to coatings or surfaces caused by cleaning operations.
- C. Remove debris from job site and leave storage area clean.

3.06 PROTECTION

- A. Provide final protection and maintain conditions in a manner acceptable to the Applicator, that shall ensure that the multi-color wall finishes shall be without damage at time of Substantial Completion.

3.07 REPAIR/MAINTENANCE

- A. **Maintenance:**
 - 1. When necessary, the surface can be washed down with a mild solution of detergent and water (this shall be done when film of dust, dirt, or smoke appears on surface).
 - 2. Stubborn stains can be removed with mild (bleach-free) abrasive cleanser or 70 percent isopropyl alcohol solutions with intermittent rinsing.
- B. **Necessary Equipment:**
 - 1. Finished sheets of "FastFix."

2. An option to the contractor specification shall be to provide single gallons of each color for future repairs.
3. Compressor shall be 3/4 horsepower or larger.
4. For spray-applied spot repair use a manufacturer-approved cup gun, with an internal mix air cap.

C. Surface Preparation:

1. Make sure area to be repaired is spackled. Use acrylic spackle, lightweight muds may cause porosity differences on the wall. Sand smooth and level.
2. Spot prime with recommended white primer.

D. Repair Procedure:

1. Apply self-adhering "FastFix" patch(es) for temporary repair of damaged surface(s).
2. For spray-applied spot repairs set pressure on compressor to 50 psi (345 kPa). Turn control knob on the spray gun clockwise for sheer, then counter-clockwise for pattern step, set pressure on compressor to 30 psi (207 kPa). Carefully pattern off area and blend it into the surrounding surface.

3.08 PAINTING SCHEDULE

A. Interior: As indicated on schedules.

1. **Miscellaneous and Ferrous Metals:**
 - a. **Primer:** Ferrous metal primer.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
2. **Wood:**
 - a. **Primer:** "SP97 Multi-Purpose Waterbase Primer," (two coats) Master Coating Technologies.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
3. **Gypsum Board and Plaster:**
 - a. **Primer:** "SP203 Acrylic Drywall Primer," (two coats) (back-roll if airless applied) Master Coating Technologies.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
4. **Moisture-Resistant Gypsum Board:**
 - a. **Primer:** "SP97 Multi-Purpose Waterbase Primer," Master Coating Technologies.
 - b. **Second Coat:** "SP203 Acrylic Drywall Primer," Master Coating Technologies.
 - c. **Finish:** "Polomyx," Master Coating Technologies.
5. **Concrete and Masonry (Unfilled):**
 - a. **Primer:** "SP203 Acrylic Drywall Primer," Master Coating Technologies.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
6. **Concrete and Masonry (Filled):**
 - a. **Primer:** "SP206 High Solids Block Filler," Master Coating Technologies.
 - b. **Second Coat:** "SP203 Acrylic Drywall Primer," Master Coating Technologies.
 - c. **Finish:** "Polomyx," Master Coating Technologies.
7. **Glazed Block, Ceramic Tile, Masonite, MDF, Fiberglass, Glass, Galvanized Metals, Aluminum, Laminate, Epoxys and Urethanes:**
 - a. **Primer:** "SP97 Multi-Purpose Waterbase Primer," Master Coating Technologies.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
8. **Vinyl Wall Coverings:**
 - a. **Primer:** "SP97 Multi-Purpose Waterbase Primer" or "SP203 Acrylic Drywall Primer," Master Coating Technologies.
 - b. **Finish:** "Polomyx," Master Coating Technologies.
9. **Previously Painted Surfaces:**
 - a. **Primer:** "SP97 Multi-Purpose Waterbase Primer," Master Coating Technologies.
 - b. **Second Coat:** "SP203 Acrylic Drywall Primer," Master Coating Technologies.
 - c. **Finish:** "Polomyx," Master Coating Technologies.

END OF SECTION

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WARRANTY: Master Coating Technologies warrants the Zolatone components of this finish system against manufacturing defect for a period of two years from the date of application when applied to a wall surface according to manufacturer's current printed instructions. Manufacturing defect is defined to be a failure of the coating system to adhere to a wall surface when applied according to manufacturer's printed instructions, and does not include subsequent failure or damage caused by exogenous factors such as substrate failure or defect, sharp objects, persons, or acts of God. In the event of a failure resulting from manufacturing defect, the product will be replaced. Master Coating Technologies shall have no obligation to or otherwise participate in labor or other costs associated with replacing the product. This warranty supersedes all previous warranties.