

SECTION 099123 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on [**interior substrates.**] [**the following interior substrates:**]

- 1. Concrete.
- 2. Clay masonry.
- 3. Concrete masonry units (CMU).
- 4. Steel.
- 5. Cast iron.
- 6. Galvanized metal.
- 7. Aluminum (not anodized or otherwise coated).
- 8. Wood.
- 9. Gypsum board.
- 10. Plaster.

- B. Related Requirements:

- 1. Section 051200 "Structural Steel Framing" for shop priming of metal substrates with primers specified in this Section.
- 2. Section 099600 "High-Performance Coatings" for high-performance and special-use coatings.
- 3. Section 099113 "Exterior Painting" for surface preparation and the application of paint systems on exterior substrates.
- 4. Section 099300 "Staining and Transparent Finishing" for surface preparation and the application of wood stains and transparent finishes on interior wood substrates.

1.3 DEFINITIONS

- A. Gloss Level 1: Not more than 5 units at 60 degrees and 1 to 2 units at 85 degrees.
- B. Gloss Level 2: 5 to 9 units at 60 degrees and 10 to 15 units at 85 degrees.
- C. Gloss Level 3: 10 to 15 units at 60 degrees and 15 to 30 units at 85 degrees.
- D. Gloss Level 4: 20 to 35 units at 60 degrees and 35 to 50 units at 85 degrees.

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- E. Gloss Level 5: 40 to 50 units at 60 degrees.
- F. Gloss Level 6: 70 to 80 units at 60 degrees.
- G. Gloss Level 7: More than 80 units at 60 degrees.
- H. Blocking: Two painted surfaces sticking together such as a painted door sticking to a painted jamb.
- I. Bio-Pruf: Biostabilizing additive, to protect products from premature microbial degradation.
- J. CHPS: Collaborative for High Performance Schools. A national movement to improve student performance and the entire educational experience by building the best possible schools. [www.chps.net](http://www.chps.net).
- K. EG: Ethylene Glycol. Ethylene glycol is listed as a hazardous air pollutant (HAP) by the U.S. EPA.
- L. EPR: Environmental Performance Rating. Master Painters Institute (MPI) formula that relates to VOC, Performance of Category, Gloss and Appropriate specified use. Higher values equate to greater eco-efficiency.
- M. MPI: Master Painters Institute. Organization that establishes architectural paint standards and quality assurance programs in North America. [www.paintinfo.com](http://www.paintinfo.com).
- N. PDCA: Painting & Decorating Contractors of America. [www.pdca.org](http://www.pdca.org).
- O. RAVOC: Reactivity adjusted VOC. "Reactivity" means the ability of a VOC to promote ozone formation
- P. SSPC: The Society for Protective Coatings publishes Scopes of SSPC Surface Preparation Standards and Specifications. [www.sspc.org](http://www.sspc.org).

### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
- B. LEED Submittals:
  - 1. Product Data for Credit IEQ 4.2: For paints and coatings, including printed statement of VOC content.
  - 2. Laboratory Test Reports for Credit IEQ 4.2: For paints and coatings, documentation indicating that they meet the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- C. Samples for Initial Selection: For each type of topcoat product.
- D. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

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1. Submit Samples on rigid backing, no smaller than 7 inches X 10 inches (177 mm X 254 mm) or larger than 8.5 inches X 11 inches (216 mm X 280 mm).
2. Label each Sample for project, architect, general contractor, painting contractor, paint color name and number, paint brand name, "P" number if applicable, and application area.

E. Product List: For each product indicated, include the following:

1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
2. Following the format prescribed in Part 2 "PRODUCTS", submit physical properties data and appropriate test results for each proposed product substitution.
3. Printout of current "MPI Approved Products List" for each product category specified in Part 2, with the proposed product highlighted.
4. VOC content.

### 1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, [from the same product run,] that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: [5] <Insert number> percent, but not less than [1 gal. (3.8 L)] <Insert number> of each material and color applied.

### 1.6 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
  - a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft. (9 sq. m).
  - b. Other Items: Architect will designate items or areas required.
2. Final approval of color selections will be based on mockups.
  - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

### 1.7 DELIVERY, STORAGE, AND HANDLING

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- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
  - 1. Maintain containers in clean condition, free of foreign materials and residue.
  - 2. Remove rags and waste from storage areas daily.

### 1.8 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 105 deg F (10 and 41 deg C).
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.
- C. Painting contractor should follow proper painting practices and exercise judgment based on his or her experience and project specific conditions as to when to proceed.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide products listed from Dunn-Edwards Corp. for the paint category indicated, or comparable products by one of the following:
  - 1. Pratt & Lambert.
  - 2. **<Insert manufacturer's name>**.
- B. Products: Subject to compliance with requirements, provide product listed in other Part 2 articles for the paint category indicated.

### 2.2 PAINT, GENERAL

- A. Material Compatibility:
  - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
  - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. VOC Content: Products shall comply with VOC limits of SCAQMD **and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24)].**
  - 1. Flat Paints and Coatings: 50 g/L.
  - 2. Nonflat Paints and Coatings: 50 g/L.

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3. Primers, Sealers, and Undercoaters: 100 g/L.
4. Rust Preventative Coatings: 100 g/L.
5. Floor Coatings: 50 g/L.
6. Shellacs, Clear: 730 g/L.
7. Shellacs, Pigmented: 550 g/L.

C. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction[ **and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24)**].

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 150 g/L.
3. Dry-Fog Coatings: 400 g/L.
4. Primers, Sealers, and Undercoaters: 200 g/L.
5. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
6. Zinc-Rich Industrial Maintenance Primers: 340 g/L.
7. Pretreatment Wash Primers: 420 g/L.
8. Floor Coatings: 100 g/L.
9. Shellacs, Clear: 730 g/L.
10. Shellacs, Pigmented: 550 g/L.

D. Low-Emitting Materials: Interior paints and coatings shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

E. Colorants: The use of colorants containing hazardous chemicals, such as ethylene glycol, is prohibited & Zero VOC colorants should be used whenever possible.

F. Colors: As selected by Architect from manufacturer's full range, Match Architect's samples, As indicated in a color schedule.

1. Indicate a percentage of surface area which will be painted with deep tones.

2.3 BLOCK FILLERS

A. Block Filler, Latex, Interior/Exterior: Dunn-Edwards, Smooth Blocfil Select SBSL00, MPI #4.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Modified Copolymer
Solids by Volume	50% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	35
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

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2.4 PRIMERS/SEALERS

- A. Primer Sealer, Latex, Interior: Dunn-Edwards, Vinylastic Select Low Odor \*Zero VOC VNSL00-1, MPI #50. \*No organic solvents added. Trace amounts of VOC may be present as residual components of other ingredients. D-E uses Zero VOC colorants.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic Copolymer
Solids by Volume	30.5% +/-2%
EG Free	Yes
VOC	*4 g/L
RAVOC	*4 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Water Resistance per MPI #50 Detailed Performance Specification	No blistering, peeling, loss of adhesion after submerged 4 hours in water
Enamel holdout per MPI #50 Detailed Performance Specification	<10% gloss difference between coated, uncoated charts
Hiding Power per MPI #50 Detailed Performance Specification	Contrast ratio greater than 95
EPR	2

- B. Primer, Alkali Resistant, Water Based: Dunn-Edwards, Eff-Stop Select ESSL00, MPI #3.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic/epoxy
Solids by Volume	37% +/-2%
EG Free	Yes
VOC	20 g/L
RAVOC	5 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Adhesion to concrete block per MPI #3 Detailed Performance	Greater than 400 psi

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Standard	
Alkali Resistance per MPI #3 Detailed Performance Standard	Appearance rating greater than 8
Hiding Power per MPI #3 Detailed Performance Standard	Contrast ratio greater than 92

C. Primer, Latex, for Interior Wood: Dunn-Edwards, Inter-Kote Low Odor Zero VOC Interior Undercoater IKPR00

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% acrylic
Solids by Volume	36% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

D. Primer, Bonding, Water Based: Dunn-Edwards, Ultra-Grip Premium UGSL00-1, MPI #39.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	37% +/-2%
EG Free	Yes
VOC	1 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Adhesion to cured enamel per MPI #17 Detailed Performance Standard	Per ASTM D3359, adhesion greater than 4B
Topcoat adhesion of MPI #147 per MPI #17 Detailed Performance Standard	Per ASTM D3359, adhesion greater than 4B

2.5 METAL PRIMERS

A. Primer, Rust-Inhibitive, Water Based: Dunn-Edwards, Bloc-Rust Premium BRPR00-2 Series.

1. Physical Properties:

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Physical Properties	Spec
Resin Type	Waterborne alkyd
Solids by Volume	41% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	40 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

B. Primer, Galvanized and Non-Ferrous, Water Based: Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134 and MPI #17.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	41% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	20 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Adhesion to galvanized per MPI #134 Detailed Performance Standard	Per ASTM D3359, adhesion greater than 4B
Humidity per MPI #134 Detailed Performance Standard	Per ASTM D3359, adhesion greater than 4B, no evidence of blistering or peeling
Topcoat adhesion of MPI #154 per MPI #134 Detailed Performance Standard	Per ASTM D3359, adhesion greater than 4B
g. EPR	3

2.6 WATER-BASED PAINTS

A. Latex, Interior, Flat, (Gloss Level 1): Dunn-Edwards, Low Odor Zero VOC Spartazero SZRO10. MPI #53 and MPI #143.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Modified copolymer
Solids by Volume	39.3% +/-2%
EG Free	Yes
VOC	2 g/L



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RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Scrubability per MPI #53 Detailed Performance Standard	1,000 Scrubs
Hide per ASTM D2805	Rating of 98 or higher
EPR	2.5

B. Latex, Interior, Velvet, (Gloss Level 2): Dunn-Edwards, Low Odor Zero VOC Spartazero SZRO20.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic copolymer
Solids by Volume	39% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

C. Latex, Interior, Eggshell, (Gloss Level 3): Dunn-Edwards, Low Odor Zero VOC Spartazero SZRO30. MPI #52.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	36% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Scrubability per MPI #52 Detailed Performance Standard	2,000 Scrubs with no breakthrough of the film and no more than 25% loss of gloss measured at 85 degrees
Hide per ASTM D2805	Rating of 98 or higher

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EPR	3.0
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D. Latex, Interior, Low Sheen, (Gloss Level 4): Dunn-Edwards, Spartawall SWLL40. MPI #43.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	36% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Scrubability per MPI #43 Detailed Performance Standard	2,000 Scrubs with no breakthrough of the film
Hide per ASTM D2805	Rating of 98 or higher
EPR	3.5

E. Latex, Interior, Semi-Gloss, (Gloss Level 5): Dunn-Edwards, Low Odor Zero VOC Spartazero SZRO50. MPI #54.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	36% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
Scrubability per MPI #54 Detailed Performance Standard	2,000 Scrubs
Hide per ASTM D2805	Rating of 98 or higher
EPR	4.0

F. Latex, Interior, Gloss, (Gloss Level 6): Dunn-Edwards, Spartashield SSSL60. MPI #114.

1. Physical Properties:

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Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	37.6% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	25 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates;	Bio-Pruf™

2. Testing:

Test	Results
Scrubability	2,500 scrubs with no breakthrough of the film and loss of no more that 20% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher
Biological growth per ASTM D3273	Surface disfigurement rating of 8 or greater
EPR	4.0

G. Latex, Interior, Institutional Low Odor/VOC, Flat, (Gloss Level 1): Dunn-Edwards, Spartazero SZRO10. MPI #143

1. Physical Properties:

Physical Properties	Spec
Resin Type	Modified Copolymer
Solids by Volume	40% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
CDPH/EHLB Section 01350 Emissions Testing	No VOC's detected
Scrubability per MPI #143 X-Green Detailed Performance Standards	1,000 Scrubs with no breakthrough of the film and only slight difference in sheen between scrubbed and unscrubbed areas
Hide per ASTM D2805	Rating of 98 or higher
Odor per MPI # 143 Detailed Performance Standards	No objectionable or strong odor
EPR	4.0

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H. Latex, Interior, Institutional Low Odor/VOC, Semi-Gloss, (Gloss Level 5): Dunn-Edwards, Spartazero SZRO50. MPI #153

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	39% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2. Testing:

Test	Results
CDPH/EHLB Section 01350 Emissions Testing	No VOC detected
Scrubability per MPI #145 Detailed Performance Standard	4,000 scrubs with no breakthrough of the film and loss of no more than 25% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher
Cleansability per MPI #145 Detailed Performance Standard	Only slight stains remaining at the completion of 1,000 cycles
Burnish Resistance per MPI #145 Detailed Performance Standard	Not more than 15% change in 85 degree sheen measured at 85 degrees
Odor per MPI #145 Detailed Performance Standard	No objectionable or strong odor
EPR	5.5

I. Latex, Interior, Institutional Low Odor/VOC, Flat, (Gloss Level 1): Dunn-Edwards, Everest EVER10. MPI #143 X-Green.

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	40% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

DUNN-EDWARDS INTERIOR MASTER SPECIFICATION

Test	Results
CDPH/EHLB Section 01350 Emissions Testing	No VOC's detected
Scrubability per MPI #143 Detailed Performance Standard	1,000 scrubs with no breakthrough of the film and only slight difference in sheen between scrubbed and unscrubbed areas
Hide per ASTM D2805	Rating of 98 or higher
Odor per MPI #143 Detailed Performance Standard	No objectionable or strong odor
EPR	4.0

- J. Latex, Interior, Institutional Low Odor/VOC, Eggshell, (Gloss Level 3): Dunn-Edwards, Everest EVER30. MPI #145 X-Green.

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	40% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

Test	Results
CDPH/EHLB Section 01350 Emissions Testing	No VOC's detected
Scrubability per MPI #145 Detailed Performance Standard	4,000 scrubs with no breakthrough of the film and loss of no more than 25% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher
Cleansability per MPI #145 Detailed Performance Standard	Only slight stains remaining at the completion of 1,000 cycles
Burnish Resistance per MPI #145 Detailed Performance Standard	Not more than 15% change in 85 degree sheen measured at 85 degrees
Odor per MPI #145 Detailed Performance Standard	No objectionable or strong odor
EPR	4.5

- K. Latex, Interior, Institutional Low Odor/VOC, Semi-Gloss, (Gloss Level 5): Dunn-Edwards, Everest EVER50. MPI #147 X-Green.

1. Physical Properties:

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Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	40% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

Test	Results
CDPH/EHLB Section 01350 Emissions Testing	No VOC's detected
Scrubability per MPI #147 Detailed Performance Standard	4,000 scrubs with no breakthrough of the film and loss of no more than 25% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher
Cleansability per MPI #147 Detailed Performance Standard	Only slight stains remaining at the completion of 1,000 cycles
Burnish Resistance per MPI #147 Detailed Performance Standard	Not more than 15% change in 85 degree sheen measured at 85 degrees
Odor per MPI #143 Detailed Performance Standard	No objectionable or strong odor
EPR	5.5

L. 100% Acrylic, Low Sheen: Dunn-Edwards, Spartashield SSSL30. MPI #161.

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	38% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	30 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

Test	Results
Scrubability	4,000 scrubs with no breakthrough of the film and loss of no more than 20% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher

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Chemical Resistance per MPI #161 Detailed Performance Standard	No signs of lifting, wrinkling, or disintegration
EPR	

M. Acrylic, Low Odor Zero VOC Semi-Gloss, (Gloss Level 5): Dunn-Edwards, Spartazero SZRO50. MPI #153.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic
Solids by Volume	37% +/-2%
EG Free	Yes
VOC	2 g/L
RAVOC	1 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

Test	Results
Scrubability	4,000 scrubs with no breakthrough of the film and loss of no more than 20% of the original gloss
Hide per ASTM D2805	Rating of 98 or higher
Chemical Resistance per MPI #153 Detailed Performance Standard	No signs of lifting, wrinkling, or disintegration
EPR	3.0

N. 100% Acrylic, Gloss, (Gloss Level 6): Dunn-Edwards, Evershield EVSH60. MPI #154.

1. Physical Properties:

Physical Properties	Spec
Resin Type	100% Acrylic
Solids by Volume	38% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	25 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	Bio-Pruf™

2. Testing:

Test	Results
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Scrubability	4,000 scrubs with no breakthrough of the film and loss of no more than 20% of the original gloss
Chemical Resistance per MPI # 154 Detailed Performance Standard	No signs of lifting, wrinkling, or disintegration
Hide per ASTM D2805	Rating of 98 or higher
Block Resistance per ASTM D2793 (class III)	No evidence of sticking or removal of film after testing with 1.1 pound (500 g weight)
EPR	3.0

2.7 SOLVENT-BASED PAINTS

A. A Waterborne Urethane Alkyd, Interior, Semi-Gloss; Dunn-Edwards, Aristoshield ASHL30.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Waterborne alkyd
Solids by Volume	37.5% +/-2%
Solids by Weight	54% +/-2%
VOC	50 g/L
RAVOC	50 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

B. A Waterborne Urethane Alkyd, Interior, Semi-Gloss; Dunn-Edwards, Aristoshield ASHL50.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Waterborne alkyd
Solids by Volume	37.2% +/-2%
Solids by Weight	52% +/-2%
VOC	50 g/L
RAVOC	50 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

C. A Waterborne Urethane Alkyd, Interior, High Gloss; Dunn-Edwards, Aristoshield ASHL70.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Waterborne alkyd
Solids by Volume	39.3% +/-2%
Solids by Weight	53%
VOC	50 g/L



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RAVOC	50 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

- D. Two Component Polyurethane Semi-Gloss, (Gloss Level 3-4): Carboline Carbothane 133 MC aliphatic acrylic polyurethane as distributed by Dunn-Edwards.

1. Testing:

Description	Standard or ASTM Number
Accelerated Weathering	ASTM D5894 - 78% gloss retention after 1,000 hours
Color Retention	ASTM G53 - < 2 McAdams units, no blistering, rusting, cracking, or caulking
Salt Fog	ASTM B117 - No rusting or blistering on plane or scribe

- E. Two component Polyurethane Gloss, (Gloss Level 6): Carboline Carbothane 134 MC aliphatic acrylic polyurethane as distributed by Dunn Edwards.

1. Testing:

Description	Standard or ASTM Number
Accelerated Weathering	ASTM G53 - <5% gloss loss after 3,000 hours ASTM D4587 Weather-O-Meter
Abrasion	ASTM D4060 - 7 mg loss after 1,000 cycles
Adhesion	ASTM D4541 - 2562 psi
Immersion	ASTM D870 - No effects after 30 days

2.8 PRE-CATALYZED WATERBASED EPOXY

- A. A Waterborne Urethane Alkyd, Interior, Semi-Gloss; Dunn-Edwards, Aristoshield ASHL50.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic Epoxy
Solids by Volume	37.2% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	20 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements

2.9 DRY FOG/FALL COATINGS

- A. Dry Fall, Latex, Flat: Dunn-Edwards, Aquafall AQUA10. MPI #118.

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1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic copolymer
Solids by Volume	43% +/-2%
EG Free	Yes
VOC	35 g/L
RAVOC	10 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	
EPR	3.0

B. Dry Fall, Latex, Eggshell, (Gloss Level 3) Dunn-Edwards, Aquafall AQUA30.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic copolymer
Solids by Volume	35.3% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	20 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	

C. Dry Fall, Latex, Low Sheen, (Gloss Level 4) Dunn-Edwards, Aquafall AQUA40.

1. Physical Properties:

Physical Properties	Spec
Resin Type	Acrylic copolymer
Solids by Volume	35.1% +/-2%
EG Free	Yes
VOC	50 g/L
RAVOC	20 g/L
Conforms to	LEED 2009 IEQ Credit 4.2 and Cal-Green requirements
Certificates	

2.10 ALUMINUM PAINT

A. Aluminum Paint:

1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**

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### 2.11 FLOOR COATINGS

- A. Stain, Interior, for Concrete Floors: MPI #58.
  - 1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**
- B. Sealer, Water Based, for Concrete Floors: MPI #99.
  - 1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**
- C. Sealer, Solvent Based, for Concrete Floors: MPI #104.
  - 1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**
- D. Floor Paint, Latex, Low Gloss (Maximum Gloss Level 3): MPI #60.
  - 1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**
- E. Floor Enamel, Alkyd, Gloss (Gloss Level 6): MPI #27.
  - 1. **<Insert, in separate subparagraphs, manufacturer's name; product name or designation>.**

### 2.12 SOURCE QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:
  - 1. Owner may engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
  - 2. Testing agency will perform tests for compliance with product requirements.
  - 3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will comply with requirements to use compatible products and systems as described in Article 2.2. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

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- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
  - 1. Concrete: 12 percent.
  - 2. Masonry (Clay and CMU): 12 percent.
  - 3. Wood: 15 percent.
  - 4. Gypsum Board: 12 percent.
  - 5. Plaster: 12 percent.
- C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
- D. Plaster Substrates: Verify that plaster is fully cured, including pH testing to determine that alkalinity is within limits established by the manufacturer.
- E. Spray-Textured Ceiling Substrates: Verify that surfaces are dry.
- F. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- G. Proceed with coating application only after unsatisfactory conditions have been corrected.
  - 1. Application of coating indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
  - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
  - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions, including pH testing to determine that alkalinity is within limits established by the manufacturer.

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- E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceed that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer[.] [ **but not less than the following:**]
  - 1. SSPC-SP 1, "Solvent Cleaning."
  - 2. SSPC-SP 2, "Hand Tool Cleaning."
  - 3. SSPC-SP 3, "Power Tool Cleaning."
  - 4. SSPC-SP 7/NACE No. 4, "Brush-off Blast Cleaning."
  - 5. SSPC-SP 11, "Power Tool Cleaning to Bare Metal."
- G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- H. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal fabricated from coil stock to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- I. Aluminum Substrates: Remove loose surface oxidation.
- J. Wood Substrates:
  - 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
  - 2. Sand surfaces that will be exposed to view, and dust off.
  - 3. Prime edges, ends, faces, undersides, and backsides of wood.
  - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.
- K. Cotton or Canvas Insulation Covering Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

### 3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
  - 1. Use applicators and techniques suited for paint and substrate indicated.
  - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
  - 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
  - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
  - 5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

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- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Block Fillers: Provide block fill as scheduled to conform to the following PDCA Standard P12-05:
  - 1. Level 3 - Premium Fill: One or multiple coats of high performance block filler manufactured to be applied at a high dry film build. Block filler shall be back-rolled to eliminate voids and reduce the majority of the masonry profile depth.
- F. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:
  - 1. Paint the following work where exposed in equipment rooms:
    - a. Equipment, including panelboards[ **and switch gear**].
    - b. Uninsulated metal piping.
    - c. Uninsulated plastic piping.
    - d. Pipe hangers and supports.
    - e. Metal conduit.
    - f. Plastic conduit.
    - g. Tanks that do not have factory-applied final finishes.
    - h. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
    - i. **<Insert mechanical items to be painted>**.
  - 2. Paint the following work where exposed in occupied spaces:
    - a. Equipment, including panelboards.
    - b. Uninsulated metal piping.
    - c. Uninsulated plastic piping.
    - d. Pipe hangers and supports.
    - e. Metal conduit.
    - f. Plastic conduit.
    - g. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
    - h. Other items as directed by Architect.
    - i. **<Insert mechanical items to be painted>**.
  - 3. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

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### 3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
  - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

### 3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

### 3.6 INTERIOR PAINTING SCHEDULE

- A. Concrete Substrates, Nontraffic Surfaces:
  - 1. Premium Architectural Coating System:
    - a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Select ESSL00, MPI #3.
    - b. Intermediate Coat: Latex, interior, matching topcoat.
    - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
    - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
    - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
    - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
    - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
    - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114.
  - 2. Institutional Low-Odor/Ultra Low VOC Latex System:

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- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Select ESSL00
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
3. Ultra-Premium Low-Odor/VOC Latex System:
- a. Prime Coat: Primer sealer, interior, institutional low odor/VOC, Dunn-Edwards, Ultragrip Select Multi Surface Primer, UGSL00.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish System:
- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50.
- B. Concrete Substrates, Traffic Surfaces:
1. Latex Floor Enamel System:



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2. Alkyd Floor Enamel System:
  3. Concrete Stain System:
  4. Water-Based Clear Sealer System:
  5. Solvent-Based Clear Sealer System:
- C. Clay-Masonry Substrates:
1. Premium Architectural Coating System:
    - a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Select ESSL00, MPI #3.
    - b. Intermediate Coat: Latex, interior, matching topcoat.
    - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
    - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
    - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
    - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
    - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
    - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114.
  2. Institutional Low-Odor/Ultra Low VOC Latex System:
    - a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Select ESSL00
    - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
    - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
    - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
    - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
    - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
    - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
    - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
  3. Ultra-Premium Low-Odor/VOC Latex System:
    - a. Prime Coat: Primer sealer, interior, institutional low odor/VOC, Dunn-Edwards, Ultragrip Select Multi Surface Primer, UGSL00.

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- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish System:
- a. Prime Coat: Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50.
- D. CMU Substrates:
1. Premium Architectural Coating System:
- a. Block Filler: Block filler, latex, interior/exterior, Dunn-Edwards, Smooth Blocfil Select SBSL00.
  - b. Intermediate Coat: Latex, interior, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114.
2. Institutional Low-Odor/Ultra Low VOC Latex System:

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- a. Block Filler: Block filler, latex, interior/exterior, Dunn-Edwards, Smooth Blocfil Select SBSL00.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
3. Ultra-Premium Low-Odor/VOC Latex Finish System:
- a. Block Filler: Block filler, latex, interior/exterior, Dunn-Edwards, Smooth Blocfil Select SBSL00.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish System:
- a. Block Filler: Block filler, latex, interior/exterior, Dunn-Edwards, Smooth Blocfil Select SBSL00.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. Pre-Catalyzed Waterbased Epoxy:
- a. Block Filler: Block filler, latex, interior/exterior, Dunn-Edwards, Smooth Blocfil Select SBSL00.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50.

### E. Steel Substrates:

1. Premium Architectural Coating over Alkyd Primer System:

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- a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, Dunn-Edwards, Bloc-Rust Premium BRPR00-1 Series, MPI #79.
  - b. Intermediate Coat: Latex, interior, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114.
2. Water-Based Dry-Fall System:
- a. Topcoat: Dry fall, water based, Flat, Dunn-Edwards, Aquafall AQUA10 (Gloss Level 1), MPI #118.
  - b. Topcoat: Dry fall, water based, Eggshell, Dunn-Edwards, Aquafall AQUA30 (Gloss Level 3).
  - c. Topcoat: Dry fall, water based, Low Sheen, Dunn-Edwards, Aquafall AQUA40 (Gloss Level 4)
3. Institutional Low-Odor/Ultra Low VOC Latex over Alkyd Primer System:
- a. Prime Coat: Primer, Rust inhibitive, water based, Dunn-Edwards, Bloc-Rust Premium, BRPR00-1 Series, MPI #107.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
4. Ultra-Premium Institutional Low-Odor/VOC Latex over Alkyd Primer System:
- a. Prime Coat: Primer, rust-inhibitive, water based, Dunn-Edwards, Bloc-Rust Premium BRPR00-1 Series, MPI #107.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.

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- d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
5. Alkyd Urethane Finish System System:
- a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, Dunn-Edwards, Bloc-Rust Premium BRPR00-1 Series, MPI #79.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
6. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, Dunn-Edwards, Bloc-Rust Premium BRPR00-1 Series, MPI #79.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50.
- F. Galvanized-Metal Substrates:
1. Premium Architectural Coating over Waterborne Primer System:
- a. Prime Coat: Primer, galvanized, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
  - b. Intermediate Coat: Latex, interior, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114).
2. Water-Based Dry-Fall System:
- a. Topcoat: Dry fall, water based, flat, Dunn-Edwards, Aquafall AQUA10 (Gloss Level 1), MPI #118.
  - b. Topcoat: Dry fall, water based, low sheen, Dunn-Edwards, Aquafall AQUA30 (Gloss Level 3).

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- c. Topcoat: Dry fall, water based, low sheen, Dunn-Edwards, Aquafall AQUA40 (Gloss Level 4).
3. Institutional Low-Odor/VOC Latex System over Waterborne Primer System:
  - a. Prime Coat: Primer, galvanized, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
4. Ultra-Premium Institutional Low-Odor/VOC Latex over Waterborne Primer System:
  - a. Prime Coat: Primer, galvanized, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
5. Alkyd Urethane Finish System:
  - a. Prime Coat: Primer, water based, Dunn-Edwards, Ultrashield Premium ULGM00.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
6. Pre-Catalyzed Waterbased Epoxy:
  - a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, Dunn-Edwards, Bloc-Rust Premium BRPR00-1 Series, MPI #79.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50

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### G. Aluminum (Not Anodized or Otherwise Coated) Substrates:

#### 1. Premium Architectural Coating over Waterborne Primer System:

- a. Prime Coat: Primer, galvanized, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
- b. Intermediate Coat: Latex, interior, matching topcoat.
- c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
- d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
- e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
- f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
- g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
- h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114).

#### 2. Institutional Low-Odor/VOC Latex System:

- a. Prime Coat: Primer, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
- c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
- d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
- e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
- f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
- g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
- h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).

#### 3. Ultra Premium Institutional Low-Odor/VOC Latex System:

- a. Prime Coat: Primer, water based, Dunn-Edwards, Ultra-Grip Premium UGPR00-1, MPI #134.
- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
- c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
- d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).

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- e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish System:
- a. Prime Coat: Primer, water based, Dunn-Edwards, Ultrashield Premium ULGM00.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer, water based, Dunn-Edwards, Ultrashield Premium ULGM00.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50
- H. Wood Substrates: Including **[wood trim] [architectural woodwork] [doors] [windows] [wood-based panel products] [glued-laminated construction] [exposed joists] [exposed beams]** <Insert description>.
1. Premium Architectural Coating System:
- a. Prime Coat: Primer, latex, for interior wood, Dunn-Edwards, Inter-Kote IKPR00.
  - b. Intermediate Coat: Latex, interior, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114).
2. Institutional Low-Odor/VOC Latex System:
- a. Prime Coat: Prime Coat: Primer, latex, for interior wood, Dunn-Edwards, Inter-Kote IKPR00.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).



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- d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
3. Ultra-Premium Institutional Low-Odor/VOC Latex System:
- a. Prime Coat: Prime Coat: Primer, latex, for interior wood, Dunn-Edwards, Inter-Kote IKPR00.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer, water based, Dunn-Edwards, Ultrashield Premium ULGM00.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50
- I. Gypsum Board Substrates:
1. Premium Architectural Coating System:
- a. Prime Coat: Primer sealer, latex, interior, Dunn-Edwards, Vinylastic Select VNLS00, MPI #50.
  - b. Intermediate Coat: Latex, interior, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1), MPI #53.
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2), MPI #44.
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3), MPI #52.
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4), MPI #43.
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5), MPI #54.

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- h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6), MPI #114).
2. Institutional Low-Odor/VOC Latex System:
- a. Prime Coat: Primer sealer, latex, interior, Dunn-Edwards, Vinylastic Select VNSL00, MPI #50.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
  - d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
  - e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
  - f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
  - g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
  - h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).
3. Ultra-Premium Institutional Low-Odor/VOC Latex System:
- a. Prime Coat: Primer sealer, latex, interior, Dunn-Edwards, Vinylastic Select VNSL00, MPI #50.
  - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
  - c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
  - d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
  - e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.
  - f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish over Latex Primer System:
- a. Prime Coat: Primer sealer, latex, interior, Dunn-Edwards, Vinylastic Select VNSL00, MPI #50.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
    - a. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
    - b. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
    - c. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. Pre-Catalyzed Waterbased Epoxy:
- a. Prime Coat: Primer sealer, latex, interior, Dunn-Edwards, Vinylastic Select VNSL00, MPI #50.
  - b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50

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### J. Plaster Substrates:

#### 1. Latex System:

- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
- b. Intermediate Coat: Latex, interior, matching topcoat.
- c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartawall SWLL10 (Gloss Level 1), MPI #53.
- d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartawall SWLL20 (Gloss Level 2), MPI #44.
- e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartawall SWLL30 (Gloss Level 3), MPI #52.
- f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40 (Gloss Level 4), MPI #43.
- g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartawall SWLL50 (Gloss Level 5), MPI #54.
- h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60 (Gloss Level 6), MPI #114.

#### 2. Institutional Low-Odor/VOC Latex System:

- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
- c. Topcoat: Latex, interior, flat, Dunn-Edwards, Spartazero SZRO10, (Gloss Level 1).
- d. Topcoat: Latex, interior, velvet, Dunn-Edwards, Spartazero SZRO20, (Gloss Level 2).
- e. Topcoat: Latex, interior, eggshell, Dunn-Edwards, Spartazero SZRO30, (Gloss Level 3).
- f. Topcoat: Latex, interior, low sheen, Dunn-Edwards, Spartawall SWLL40, (Gloss Level 4).
- g. Topcoat: Latex, interior, semi-gloss, Dunn-Edwards, Spartazero SZRO50, (Gloss Level 5).
- h. Topcoat: Latex, interior, gloss, Dunn-Edwards, Spartashield SSSL60, (Gloss Level 6).

#### 3. Ultra Premium Institutional Low-Odor/VOC Latex System:

- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
- c. Topcoat: Latex, interior, institutional low odor/VOC, flat, Dunn-Edwards Everest, EVER10 (Gloss Level 1), MPI #143 X-Green.
- d. Topcoat: Latex, interior, institutional low odor/VOC, velvet, Dunn-Edwards Everest, EVER20 (Gloss Level 2).
- e. Topcoat: Latex, interior, institutional low odor/VOC, eggshell, Dunn-Edwards, Everest, EVER30 (Gloss Level 3), MPI #145 X-Green.

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- f. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss, Dunn-Edwards, Everest, EVER50 (Gloss Level 5), MPI #147 X-Green.
4. Alkyd Urethane Finish over Latex Primer System:
- a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
  - b. Intermediate Coat: Alkyd, interior, matching topcoat.
  - c. Topcoat: Alkyd, interior, eggshell, Dunn-Edwards, Aristoshield ASHL30.
  - d. Topcoat: Alkyd, interior, semi-gloss, Dunn-Edwards, Aristoshield ASHL50.
  - e. Topcoat: Alkyd, interior, high gloss, Dunn-Edwards, Aristoshield ASHL70.
5. a. Prime Coat: Primer, alkali resistant, water based, Dunn-Edwards, Eff-Stop Premium ESPR00, MPI #3.
- b. Intermediate Coat: matching topcoat.
  - c. Topcoat: Waterbased Epoxy, Dunn-Edwards, Enduracat EPX50

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