

**MURRIETA VALLEY UNIFIED SCHOOL DISTRICT
MVUSD PAINTING PROJECT BID NO. 02262021-01
SCHOOL EXTERIOR PAINTING PROJECTS**

SPECIFICATIONS

Scope of Work (General)

The work to be done consists of furnishing all materials, paints, labor, tools, equipment, scaffolding and all other necessary equipment and supplies to perform a complete and thorough job of repainting the designated surfaces for this project. Each item or area in these specifications is described by the most commonly used name and the contractor shall inform himself of the areas that are to be painted.

Storage

The contractor's operations for the preparation of paints and storage of materials shall be limited to a designated area, and such space shall be kept clean and orderly at all times. The contractor shall employ all safety measures during operations for the prevention of fire.

General Information

The contractor shall at all times take necessary steps to protect the public and all property from damage during his operations, and shall be responsible for any and all kinds of damage to the work or property caused by the contractor's employees.

Bids will include a list of Dunn-Edwards products or equal proposed for use on this job. All products to be first quality, and comply with applicable health, safety, and environmental regulations.

Cleanup and Safety

During the progress of the work, safety shall be of the utmost importance at all times, and the contractor shall safeguard persons during the progress of the work by providing barricades and appropriate lights to warn of obstruction. Upon completion of the work and before acceptance and final payment shall be made, the contractor shall clear the entire project and all grounds occupied by him in connection with his work of all rubbish, excess material, and any other debris caused by his operations.

Furnish and place sufficient drop cloths, plastic and similar coverings to protect adjacent work and surfaces from paint splatter, droppings, etc.

Materials

All materials herein specified are Dunn-Edwards or equal products listed by name and number, unless otherwise noted.

All primers and painting materials including solvents and will be checked by the inspector when they are delivered to ensure products meet or exceed the performance requirements. All characteristics of the products specified shall be noted at this time and incorporated in the inspection plan, as to drying times thinning and tinting recommendations, temperature and humidity ranges. Inspection stop points will be established and acceptance of all prime coats throughout any/each building shall be required prior to the application of any finish coat materials onto that building.

Workmanship

All work shall be done by experienced, skilled craftsmen. Surface preparation shall be in accordance with standard of the Painting and Decorating Contractors of America. All finishes shall be applied evenly and be free from runs, sags, skips, crawls, or other defects.

All cracks that exist around all openings, including trim, doors, and windows, penetrations etc. shall be sealed or re-sealed with a suitable caulking compound, pre-approved by the inspector for the application.

Paints shall be applied in accordance with the manufacturer's printed directions. Painting shall not be done when the temperatures become extreme. Precautions should be taken when temperature exceeds 90° F, or when the temperature falls below 50° F. The new and old coatings must be compatible. The determination of compatibility may be accomplished through examination of the owner's records, laboratory analysis, or by field testing.

A variety of cleaning and removal systems are available for the Painting Contractor to employ. The use of any one or a combination of more than one, is dependent upon the condition of existing coatings, the material applied, and the substrate involved. Because of varying substrates, the selection of tools must be left to the Painting Contractor, with consultation with the specification service and the owner's agent.

Do not paint over dry rot or termite damaged wood. Notify Project Manager immediately if dry rot is identified.

A detailed final inspection of paint work shall be made. Runs, sags, misses, stains, blotchiness and or other defects in the painted surfaces, including inadequate coverage, shall be satisfactorily touched up or refinished, or repainted as necessary to produce a first-class workman like job as approved by a District representative in a final walk through.

EXTERIOR METAL

Surface Preparation

Remove all loose and peeling paint, dirt, chalk, and all surface contaminants that will interfere with adhesion of subsequent coats, without damaging the substrates of adjacent areas.

Wirebrush all loose and peeling paint and dust all surfaces before spot priming or applying finish coats.

Power wash all areas to be painted, and use a mild detergent solution such as MI-T-M's surface prep if required. Then rinse with clean, clear water until all residue has been removed from all surfaces. Allow the surfaces to thoroughly dry before proceeding with preparation or painting.

After washing the surfaces, the areas must be carefully examined for cracking, blistering, peeling or flaking of existing paint. All loose, unsound, or non-adhering paint must be removed.

Power sand or hand sand all areas of loose, unsound, or non adhering paint. All thick edges of the remaining paint shall be feather edged, filled as necessary, and then dusted.

Rust, Scale, and Corrosion should be removed either by power sanding or hand sanding and spot primed with the appropriate primer or finish coat as stated in the Finish Schedule.

Degloss all glossy and previously enameled surfaces to provide a roughened surface or “Tooth” for good adhesion of subsequent coats.

Spot prime all patched and sanded areas with the appropriate primer or finish coat as stated in the Finish Schedule.

Finish Schedule

Galvanized Flashing, Gutters and Downspouts

Spot Prime (Bare Metal)	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer
First Coat	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer
Second Coat	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel
Third Coat*	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel

Flashing / DMP Edge at Stucco Walls

First Coat	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer
Second Coat	ACRI-FLAT, Exterior 100% Acrylic Flat Finish
Third Coat*	ACRI-FLAT, Exterior 100% Acrylic Flat Finish

Metal Posts, Beams, Doors and Jambs

Spot Prime (Bare Metal)	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer (43-7)
First Coat	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer (43-7)
Second Coat	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel
Third Coat*	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel

Electrical Boxes

Spot Prime (Bare Metal)	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer (43-7)
First Coat	GALV-ALUM, Rust Preventative Galvanized/Aluminum Primer (43-7)
Second Coat	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel
Third Coat*	PERMASHEEN, 100% Acrylic Semi-Gloss Enamel

SPECIAL NOTES AND INSTRUCTIONS:

- A. * If required for complete coverage as determined by district inspector.**
- B. Remove all loose and peeling paint.**
- C. Power wash underside of shade structures.**
- D. Underside of shade structure not to be repainted, only power washed.**
- E. Only surfaces previously painted to be repainted.**
- F. All colors to match existing.**

EXTERIOR WOOD

Surface Preparation

Remove all dirt, chalk, and all surface contaminants that will interfere with adhesion of subsequent coats, without damaging the substrates or adjacent areas.

Wirebrush all loose and peeling paint and dust all surfaces before spot priming or applying finish coats.

Power wash all areas to be painted, and use a mild detergent solution such as MI-T-M's surface prep if required. Do not use a 0° blasting tip for cleaning any wood substrates. Then rinse with clean, clear water until all residue has been removed from all surfaces. Allow the surfaces to thoroughly dry before proceeding with preparation or painting.

Mildew may be dealt with at this time by metering a mildewcide in the power wash. If not metering a solution in the power wash, scrub affected areas with the following solution:

Trisodium Phosphate (TSP)	2/3 Cup
Household Bleach (Clorox)	1 Quart
Powder Detergent	1/3 Cup
Add warm water to make 1 Gallon	

Or use a commercially available mildewcide. Rinse all surfaces with clean, clear water to remove any remaining residue. Severe mildew may require additional treatment. Again allow the surfaces to thoroughly dry before proceeding with preparation or painting.

Caution: Bleach may be harmful to eyes, clothing, and surrounding vegetation, so take all precautions to ensure safety.

Tannic Acid Bleeding is caused by moisture carrying the water soluble color extractives to the surface. The source of this moisture must be located and corrected. Wash the surface with a mixture of 50% denatured alcohol and 50% water and allow to dry, or use oxalic acid following manufacturer's recommendations. Prime affected areas with the appropriate primer, sealer or finish coat as stated in the Finish Schedule.

Patch all holes and other surface defects with the appropriate material.

Re-set all protruding nail heads and fill with putty where necessary.

Spot prime all patched and sanded areas with the appropriate primer or finish coat as stated in the Finish Schedule.

Finish Schedule

Wood T-111 Siding and Trim

First Coat	Zinsseer Peel Stop (only where existing paint is peeling)
Second Coat	ENDURACRYL, Ext. 100% Acrylic Low Sheen Finish
Third Coat*	ENDURACRYL, Ext. 100% Acrylic Low Sheen Finish

Wood Fascia and Eaves

Spot Prime	E-Z PRIME, Ext. 100% Acrylic Wood Primer
First Coat	EVERSHIELD, 100% Acrylic Exterior Masonry Finish
Second Coat*	EVERSHIELD, 100% Acrylic Exterior Masonry Finish

SPECIAL NOTES AND INSTRUCTIONS:

- A. * If required for complete coverage as determined by district inspector.**
- B. Remove all loose and peeling paint.**
- C. Spray and backroll first coat of W705.**
- D. All colors to match existing.**

EXTERIOR MASONRY AND CONCRETE SURFACES

Surface Preparation

Remove all dirt, chalk, and all surface contaminants that will interfere with adhesion of subsequent coats without damaging the substrates or adjacent areas.

Wirebrush all loose and peeling paint and dust all surfaces before spot priming or applying finish coats.

Power wash all areas to be painted, and use a mild detergent solution such as MI-T-M's surface prep if required. Then rinse with clear clean water until all residue has been removed from all surfaces. Allow the surfaces to thoroughly dry before proceeding with preparation or painting.

Moisture content for Masonry and Stucco must not exceed 17%

After washing the surfaces, the areas must be carefully examined for cracking, blistering, peeling or flaking of existing paint. All loose, unsound, or non-adhering paint must be removed.

Mildew may be dealt with at this time by metering a mildewcide in the power wash. If not metering a solution in the power wash, scrub affected areas with the following solution:

Trisodium Phosphate (TSP)	2/3 Cup
Household Bleach (Clorox)	1 Quart
Powder Detergent	1/3 Cup
Add warm water to make 1 Gallon	

Or use a commercially available mildewcide. Rinse all surfaces with clean, clear water to remove any remaining residue. Severe mildew may require additional treatment. Again allow the surfaces to thoroughly dry before proceeding with preparation or painting.

Caution: Bleach may be harmful to eyes, clothing, and surrounding vegetation, so take all precautions to ensure safety.

Efflorescence, white residue salt deposits, should be removed by wire brushing and acid etching with phosphoric acid. Rinse all surfaces with clean, clear water to remove any remaining residue.

Note: Efflorescence, which appears on cementitious or plaster surfaces, is caused by moisture entering or contained in the substrate. Water-soluble salts in the masonry are brought to the surface where the water evaporates, leaving white residue salt deposits. Defects, which cause this problem, must be corrected before any painting is attempted.

Where rust stains are present the source must be identified and corrected (i.e. nail heads, flashing, handrails, etc.). Surfaces should then be cleaned and spot primed with the appropriate primer or sealer as stated in the Finish Schedule.

Large cracks must be V-grooved out and all other surface defects, such as holes and the like, must be repaired using the appropriate patching materials to match the surrounding surface profile. Dust surface and spot prime all patched areas with the appropriate primer or finish coat as stated in the Finish Schedule.

Spot prime all patched and sanded areas with the appropriate primer or finish coat as stated in the Finish Schedule.

Finish Schedule

Stucco

Spot Prime	EFF-STOP, Acrylic Masonry Primer/Sealer
First Coat	ACRI-FLAT, Exterior 100% Acrylic Flat Finish 4 parts W704 to 1 part Okon Paint Booster.
Second Coat*	ACRI-FLAT, Exterior 100% Acrylic Flat Finish 4 parts W704 to 1 part Okon Paint Booster.

SPECIAL NOTES AND INSTRUCTIONS:

- A. *If required for complete coverage as determined by district inspector.**
- B. Equivalent substitutes for any primer and paint finishes as detailed within this Specification Document for various surfaces may be accepted by the district.**

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