

Painting Specifications For:
**Exterior Re-Paint of Volunteer Fire Stations
Baker County, Florida**

Prepared For:
Steven Marfongell
Fire Chief
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1.0 SCOPE OF WORK

- 1.1 Work in general includes surface preparation, surface repairs, caulking, sealants, patching and application of the paint coating to the substrates and systems outlined in this specification. It is the intent of the specifications that all surfaces (except those specifically noted otherwise) be painted or finished for a thoroughly complete job in every respect whether every item is herein specified or not.

2.0 WORKMANSHIP AND APPLICATION CONDITIONS

- 2.1 Paint only in dry weather when temperature is 50°F or higher. Stop exterior work early enough to permit paint film to set up before condensation occurs (caused by night temperature drops). Do not begin painting until surfaces are moisture free.
- 2.2 Keep paint at room temperature.
- 2.3 Keep dust, dirt and debris away from work before and during painting.
- 2.4 Execute work in accordance with label directions. Coating application shall be made in strict conformance to this specification and to the manufacturer's instructions on the product labels and product data sheets.
- 2.5 Paint only dry wood (less than 15% moisture). Defer painting after rain or washing, until surface is dry.
- 2.6 All work shall be accomplished by skilled workmen familiar with and trained to do this type of work and they shall be further qualified to operate or use the equipment or rigging needed to accomplish this work.
- 2.7 All materials shall be applied evenly, free of runs, sags, and pinholes.
- 2.8 Only the manufacturer's thinners/reducers may be used to thin the respective products and only in the amounts prescribed.
- 2.9 All shrubbery, landscaping, outside carpeting and sprinkler systems shall be fully protected against damage during each stage of the painting project.
- 2.10 All exterior substrates not designated to receive paint coatings shall be kept free of paint residue and over spray, e.g. windows, walkways, driveways, floors, etc.
- 2.11 Owner will provide water and electricity from existing facilities.
- 2.12 Normal safety signs, necessary lighting and temporary fencing around work areas shall be installed and maintained and work performed in accordance with OSHA requirements while the job is in progress.
- 2.13 A progress schedule shall be furnished by the contractor to the Owner or the Owner's agent for approval and shall be based on the contract completion date. Contractor shall advise the Owner or Owner's agent of those areas in which work is to be performed sufficiently in advance of the work schedule to permit the Owner to prepare for the work, advise employees, move vehicles, etc.

3.0 MATERIALS

- 3.1 **Materials used in this contract shall be as specified or Equivalent from Ben Moore, Richards or Valspar and delivered on the job in original, sealed containers.**
- 3.2 The paints/materials herein specified will be enforced as the required products.
- 3.3 All materials shall be used according to label directions and applied at package consistency.

4.0 COLORS

- 4.1 Colors will be selected from the Sherwin-Williams color systems unless otherwise specified.
- 4.2 A sample of the selected color(s) shall be applied by the contractor to the building for color approval by Owner or Owner's agent.

5.0 SURFACE PREPARATION

5.1 GENERAL

All surfaces to be painted shall be cleaned and prepared as specified. The painting contractor is responsible for the finish of his work. Should any surface be found unsuitable to produce a proper paint or sealant finish, the Owner or Owner's agent shall be notified, in writing, and no materials shall be applied until the unsuitable surfaces have been made satisfactory.

Coating performance is affected by proper product selection, application, and surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. The selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

5.2 PREVIOUSLY COATED SURFACES

Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, ALL surface contamination such as oil, grease, loose and marginally adhering paint, mill scale, dirt, foreign matter, rust, mold, mildew, mortar, efflorescence and sealers must be removed to assure sound bonding to the tightly adhering old paint. In addition, glossy surfaces of old paint films must be clean and dull before repainting. Spot prime all bare areas with the appropriate primer.

Recognize that any surface preparation short of total removal of the old coatings may compromise the service length of the system. **Always** check for compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow drying thoroughly, checking adhesion.

5.3 CLEANING & MILDEW CONTROL

All exterior surfaces must be thoroughly pressure cleaned using a pressure washer at 3000 PSI 3.5 gpm and a 15 degree tip held no more than 12" from the surface to insure the surface is cleaned free of all loose, scaling, and marginally adhering paint, all chalk, mildew, stains, dirt, grease or other foreign material. Surface must be firm, clean and dry before proceeding. All loose and scaling paint not removed by pressure cleaning shall be removed by wire brushing or other suitable power tool cleaning. Remove mildew using a solution of chlorine bleach and water mixed to a ratio of 1 part chlorine bleach and 3 parts water. Allow solution to remain on the surface for 10 minutes before rinsing thoroughly with clean water. **CAUTION: DO NOT ADD HOUSEHOLD DETERGENTS OR AMMONIA TO THE BLEACH SOLUTION.** Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off with soap and clean water any solution that touches the skin.

5.4 RUSTED METAL SURFACES

Hand Tool clean rusty areas per SSPC-SP2 or Power Tool clean per SSPC-SP3. Surface must be clean, dry and sound. Spot prime cleaned rusted areas with specified primer.

5.5 PREVIOUSLY PAINTED EXTERIOR MASONRY, CONCRETE, OR STUCCO

Surface must be clean, dry & sound. Repair cracks and imperfections as described in Section 7.

6.0 CAULKING/PUTTY PROCEDURES

6.1 All construction joints, expansion joints, window and door perimeters, and baseboards shall be cleaned prior to caulking to assure desired adhesion to both surfaces. Joints include metal to metal, metal to masonry, masonry to masonry, wood to masonry, wood to wood, wood to drywall.

6.2 Do not apply caulking when rain or temperatures below 40°F are expected.

6.3 Apply caulk with conventional caulking gun or pressure equipment. Apply in continuous bead. Smooth and trim caulk with finger or appropriate tool immediately to ensure firm, full contact with the surfaces of the joint.

6.4 Putty/spackling compound shall be applied directly from the container using finger, putty knife or broad knife wider than the hole, crack, or indentation being repaired. Force into repair with slight excess overlapping edges or repair. Let dry and sand with fine or medium sandpaper or sanding block. For best results, priming may be required. Do not use putty or spackling compound in joints or crevices that flex or move.

7.0 MASONRY/ PROCEDURE

- 7.1 All construction joints and expansion joints shall be carefully inspected for caulking deterioration, loss of adhesion, cracking or loss of properties. Failing caulking shall be removed and the area- cleaned prior to re-caulking with Sherwin-Williams specified caulk to assure desired adhesion to both surfaces. Where the existing caulking is removed, a Neoprene rope shall be installed as a back-up surface if opening is more than 1/8".
- 7.2 All masonry surfaces to be painted are to be pressure cleaned and sealed with Sherwin-Williams specified masonry conditioner, unless otherwise specified.
- 7.3 Remove all tape, patching compound, caulking or sealant in any previously patched areas, and re-patch as specified.
- 7.4 Sound all masonry cracks to determine bond substrate. If hollow sound or disbonding is present, notify owner or owner's agent before proceeding. Loose substrate must be removed and area primed with concrete to concrete primer. Concrete patching must be applied in void and finished with appropriate material to match the adjacent substrates in texture and uniformity.
- 7.5 HAIRLINE OR SHRINKAGE CRACKS (1/32" or smaller)
- Coat affected area by applying one coat of Sherwin-Williams ConSeal Brush Grade
- 7.6 HAIRLINE OR SHRINKAGE CRACKS (1/32" to 1/16")
- Apply Sherwin-Williams ConSeal A5W600 Buttering Grade generously over the center of the crack. Use a broad knife or a brush and "feather" the material to either side of the crack so as to go from 1/16" to 0, over a 2" area.
- 7.7 LARGE CRACKS (1/16" up to 1/4")
- Do not attempt to repair cracks caused by structural deficiencies in the building. Nonstructural movement cracks can range from 1/16" to in excess of 1/4" Rout out cracks larger than 1/16" to 1/4" wide by 1/4" deep. Flush with water. Prime with Sherwin-Williams Loxon A-24-100 Conditioner. Insert Bond Breaker Tape. Fill joint completely with Sherwin-Williams ConSeal A5W610 Knife Grade patch. Build a small crest to compensate for shrinkage. Allow curing for a minimum of 24 hours and applying a cap of Sherwin-Williams CONSEAL A5W600. Refer to Data Pages for the ConSeal Elastomeric Patch for specific application and recommendations.

8.0 Wood

8.0 PREVIOUSLY PAINTED WOOD SURFACES

Painted wood surfaces shall be carefully inspected for evidence of deterioration or surface imperfections. All deteriorated wood shall be replaced. Glossy or very hard surfaces of old paint film must be cleaned and dulled/roughened before repainting. Surface must be clean, dry, and sound. Spot prime or full prime as necessary or as specified with the Sherwin-Williams specified primer.

9.0 INSPECTION AND SAMPLES

9.1 Wet film thickness will be checked with a properly calibrated Wet Film Thickness Gauge or by specifically approved instruments.

9.2 It will be the paint contractor's responsibility to own and use a wet film gauge to check the application thickness as the painting proceeds. This method checked against volume solids and coverage rate is the best guide in determining what the dry film thickness will be.

9.3 A small sample area of each phase of the work shall be done and checked by a project representative.
This will serve upon acceptance as the job standard for the remainder of that phase of work. This will also prevent misunderstandings as to interpretation of this specification's standards.

10.0 PAINTING SCHEDULE & RECOMMENDED SYSTEM

10.1 Exterior Finishes - Masonry

10.1a 1st Coat: SW Loxon Conditioner, A24 Series

10.1b 2nd Coat: SW Superpaint Exterior Acrylic Satin, A89 Series

10.1c 3rd Coat: SW SW Superpaint Exterior Acrylic Satin, A89 Series

10.2 Exterior Finishes Wood

10.2a 1st Coat: Spot prime with Prep-Rite Quick Seal Int/Ext Alkyd Primer, Y24W980 Series

10.2b 2nd Coat: SW SW Superpaint Exterior Acrylic Satin, A89 Series

10.2c 3rd Coat: : SW Superpaint Exterior Acrylic Satin, A89 Series

10.3 Exterior Finishes Metal Siding, Doors and Frames

10.3a 1st Coat: SW Loxon Conditioner, A24 Series

10.3b 2nd Coat: Spot prime with SW Pro Industrial Pro-Cryl Universal Metal Primer B66 Series

10.3c 3rd Coat: SW Pro-Industrial Multi-Surface Acrylic S/G, B66 Series

10.3e 4th Coat: SW Pro-Industrial Multi-Surface Acrylic S/G, B66 Series