

Construction Specification 84 – Painting Wood

1. Scope

The work shall consist of cleaning and preparing wood surfaces and applying protective paint coatings.

2. Material

Unless otherwise specified in Section 7 of this specification, painting material shall meet the following requirements:

- Exterior paint primer shall conform to the requirements of Master Painters Institute—MPI #5 Exterior Alkyd Wood Primer.
- Exterior oil paint shall conform to the requirements of Master Painters Institute—MPI #8 Exterior Alkyd, Flat. Unless otherwise specified, the color shall be white. The second coat of exterior oil paint may be thinned with mineral spirits conforming to the requirements of ASTM D 235 or with pure gum turpentine. The amount of thinner shall not exceed 1 pint per gallon of paint.
- When tinting is required, it shall be accomplished by the addition of pigment-in-oil tinting colors conforming to the requirements of Federal Specification A-A-3108A.

3. Surface Preparation

All surfaces to be painted/primed shall be thoroughly cleaned before the application of paint/primer. Pitch pockets and knots shall be scraped and sealed with a shellac varnish conforming to the requirements of ASTM D 360. Previously painted surfaces shall be scraped and brushed to remove any checked or blistered paint and all excess chalk.

4. Application of Paint/Primer

Surfaces shall be clean and dry during paint/primer application. No paint/primer shall be applied until the prepared surfaces have been inspected and approved for paint/primer application.

Surfaces of new wood shall be painted with 1 brush coat of exterior primer paint and two brush coats of exterior oil paint unless otherwise specified in Section 7 of this specification.

Paints/primers shall be thoroughly mixed at the time of application.

Each paint and primer coat shall be applied in such a manner as to produce a coating film of uniform thickness with a finished surface free of runs, drops, ridges, laps, or excessive brush marks. The minimum drying time between applications shall be as prescribed by the manufacturer of the paint/primer and not before the previous paint/primer application being thoroughly dry.

The surface of each dried coating shall be cleaned as necessary before application of the next coat.

The first coat of exterior oil paint shall be tinted off-color by the addition of 3 ounces of an appropriate tinting color per gallon of paint.

5. Atmospheric Conditions

Unless otherwise specified in Section 7 of this specification or by the manufacturer of the coating products, paint and primer shall not be applied when the temperature of the wood surface or of the surrounding air is less than 45°F. Coatings shall not be applied when atmospheric conditions result in moisture condensation on the surface to be painted/primed. Surfaces protected from atmospheric conditions by special cover or enclosure, heating, or ventilation shall remain to provide full protection until the paint/primer is thoroughly dry.

6. Payment

For items of work for which specific lump sum prices are established in the contract, payment for priming and painting wood is made at the contract lump sum price. Such payment is full compensation for furnishing, preparing the surfaces, and

applying all coating material to wood surfaces designated to be painted including labor, tools, equipment, material, and all other items necessary and incidental to the completion of the work.

Compensation for any item of work described in the contract, but not listed in the bid schedule is included in the payment for the item of work to which it is made subsidiary. Such items and the item to which they are made subsidiary are identified in Section 7 of this specification.

7. Items of Work and Construction Details