

**World Plaza**  
**Relocalización de Compactadora de Basura**

**DIVISION - 9 FINISHES**

**SECTION - 09 90 00 PAINTING**

**PART 1- GENERAL**

**1.1 DESCRIPTION**

- a. The work in this Section shall be performed in accordance with the General Conditions of the Contract, which are made a part hereof by reference.

**1.2 SCOPE OF THE WORK**

- a. Includes all painting work as shown on schedule of finishes and specified herein.

It is the intention to describe all painting work required, with the exception of the excluded work indicated below, and the Contractor shall so execute all required painting work, regardless of whether such work may be indicated on the drawings or schedule of finishes.

**1.3 WORK EXCLUDED**

- a. Shop or factory applied prime coats or finishes for specialty items, windows, equipment, etc., which are particularly specified under other sections of the specifications are excluded from this section.

**1.4 SUBMITTALS**

- a. Submit for preliminary approval of the Architect samples of all colors, and sample panels of metal and wood finishes made on materials of the same kind as those used in the building.
- b. After preliminary approval of samples and colors, prepare sample panels on the actual surfaces at the building in the areas where work is to be done and obtain Architect's final approval before proceeding with work.
- c. All work shall be executed in strict accordance with approved sample panels.

**1.5 PRODUCT DELIVERY, HANDLING AND STORAGE**

- a. Materials shall be delivered to the job site in unopened containers which shall show the designated name, formula or specifications, color, manufacturer's directions, and name of manufacturer, all of which shall be plainly legible at time of use. Pigmented paints shall be furnished in containers not larger than 5 gallons. Materials listed in the painting schedule without reference to a particular product and not further described hereinafter shall be products which have had a minimum of two (2) years satisfactory field service. Laboratory tests simulating field conditions will not be accepted in lieu of actual fields results.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- a. Paints as indicated on drawings
- b. Miscellaneous paints, stains, etc. - as specified hereinafter.
- c. Fillers, sealers, primers and undercoaters - shall be as recommended for optimum results by the manufacturer of the paint used.
- d. Linseed oil, turpentine, putty and related miscellaneous items - shall be of the best commercial quality obtainable.

## **PART 3- EXECUTION**

### **3.1 GENERAL**

- a. Before starting any work, surfaces to receive paint finishes shall be examined carefully for defects which cannot be corrected by the procedures specified herein and which might prevent satisfactory painting results. Work shall not proceed until such damages are corrected. The commencing of work in a specific area shall be construed as acceptance of the surfaces, and thereafter the Contractor shall be fully responsible for satisfactory work as required herein.
- b. Before painting is started in any area, broom clean and remove excessive dust.
- c. After painting operation begin in a given area, broom cleaning will not be allowed; cleaning shall then be done only with commercial vacuum cleaning equipment.
- d. Adequate illumination shall be provided in all areas where painting operations are in progress
- e. Only skilled workers shall be employed. Application may be by brush, roller or spray, as approved by the architect.
- f. Remove and protect hardware, accessories, device plates, lighting fixtures, factory finished work, and similar items, or provide ample in-place protection. Upon completion of each space, carefully replace all removed item.
- g. Remove electrical panel box cover and doors before painting walls. Paint separately and reinstall after all paint is dry.
- h. All materials shall be evenly spread and flowed-on smoothly to avoid runs, sags, holidays, brush marks, air bubbles and excessive roller stipple.
- i. Coverage and hide shall be complete. When color, stain, dirt or undercoats show through final coat of paint, the surface shall be covered by additional coats until the paint film is of uniform finish, color, appearance and coverage, at no additional cost to the owner.
- j. All coats shall be dry to manufacturer's recommendations before applying succeeding coats.

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- k. All suction spots or "hot spots" in plaster and/or cement after the application of the first coat shall be touched up before applying the second coat.
- l. Surface to be stained shall appear uniform in shading with color variations caused only by the natural wood grain.

**3.1 PREPARATION OF SURFACES**

**a. General**

- 1) Surfaces shall be clean, dry and adequately protected from dampness.
- 2) Surface shall be free of any foreign materials which will adversely affect adhesion or appearance of applied coating.
- 3) Mildew shall be removed and the surface neutralized per the coating manufacturer's recommendations.
- 4) Efflorescence on any area will be corrected before painting.

**b. Wood to be Painted**

- 1) Sandpaper to a smooth and even surface, then dust off.
- 2) Apply shellac, four (4) pounds cut, to all knots, pitch and resinous sapwood prior to application of specified primer coats.
- 3) After priming coat has dried, putty all nail holes, cracks, open joints and other defects. Putty shall be colored to match primer; if putty is not compatible with finish, spot prime puttied areas.

**c. Drywall**

Fill all minor irregularities with spackling paste and sand to a smooth, level surface, Exercise care to avoid raising nap of paper.

**d. Concrete, Masonry and Stucco**

- 1) Patch large openings and holes and finish flush with adjacent surface. After priming, fill any remaining small holes with prepared patching material.
- 2) Acid etch concrete floor surfaces scheduled for painting with solution of one part 32% muriatic acid to three parts water. Flush floor with clean water and allow to dry thoroughly before painting. Check the pH number; if not neutral, then correct by using a 3% solution of T.S.P. or ammonium hydroxide. The etched surface should appear uniform in sheen and feel like 100 grit abrasive paper.
- 3) Remove form oil from poured-in-place concrete by washing concrete with xylol or exempt-type form oil solvent, or as required for complete removal.

- 4) These surfaces shall be dry. No painting shall be done until surfaces have cured for 28 days and are dry.

**e. Ferrous Metal Surfaces**

- 1) Remove dirt and grease with mineral spirits and wipe dry with clean cloths.
- 2) Remove rust, mill scale and defective paint down to sound surfaces or bare metal using scraper, sandpaper or wire brush as necessary. Grind, disc sand, etc., if necessary to remove shoulders at edge of sound paint to prevent them from photographing through finish coats.
- 3) Touch up all bare metal and damaged shop coats with specified shop coat primer.
- 4) For ferrous surfaces with shop coats touched up, as above required, the first coat as listed in the following schedule will be applied to the dry mil film thickness specified.

**f. Galvanized Metal Surfaces**

- 1) Remove dirt and grease with mineral spirits and wipe dry with clean cloths.

**g. Existing Surfaces to be Repainted (when and where applicable)**

- 1) Where existing work is cut, patched, or added to, all surfaces shall be painted or touched up to match present work as closely as possible. Existing work, where scheduled for repainting, shall be put in condition to provide good adhesion and to receive paint.

### **3.2 COATING**

- a.** Unless otherwise specifically so directed in writing by the architect, all paints and finishes shall be applied in strict accordance with manufacturer's printed instructions.
- b.** All wood surfaces, except those to receive natural finish, and millwork shall receive one (1) coat enamel primer, as recommended by manufacturer and two (2) finish coat semi-gloss enamel.
- c.** All ferrous and galvanized metal surfaces not specified to be painted under other sections shall receive one (1) coat of shop primer or one (1) coat of primer for galvanized or non-galvanized metal as case may be and then two (2) coats of gloss enamel.
- d.** All paints shall be applied to the dry and wet mil thickness as recommended by the paint manufacturer and/or specified herein.

### **3.3 CLEAN-UP**

- a.** Upon termination of painting work the Contractor shall remove all masking materials, tools, scaffolding surplus materials from the premises and leave area clean for the work of other trades or for the uses intended.

**END OF SECTION**