

Part 1 General

1.1 RELATED SECTIONS

- .1 Finish Carpentry: Section 06 20 00.
- .2 Architectural Woodwork: Section 06 40 00.

1.2 SOURCE QUALITY
CONTROL

- .1 Architectural Painting Specifications Manual, Master Painters Institute (MPI), latest version.
 - .1 Standard GPS-1-05, MPI-1-05, MPI Green Performance Standard for Painting and Coatings.
- .2 Systems and Specifications Manual, SSPC Painting Manual, Volume Two, Society for Protective Coatings (SSPC).
- .3 Test Method for Measuring Total Volatile Organic Compound Content of Consumer Products, Method 24 (for Surface Coatings) of the Environmental Protection Agency (EPA).
- .4 National Fire Code of Canada.
- .5 Canadian Painting Contractors Architectural.
- .6 Department of Justice Canada (Jus)
 - .1 Canadian Environmental Protection Act (CEPA), 1999 c. 33
- .7 Transport Canada (TC)
 - .1 Transportation of Dangerous Goods Act (TDGA), 1992, c. 34
- .8 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).

1.3 SUBMITTALS

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit duplicate 305mm long x board wide size of wood profiles specified.
- .3 Submit Material Safety Data Sheets (MSDS) prior to commencement of work for review and for posting at job site as required.
- .4 At project completion provide an itemized list complete with manufacturer, paint type and color-coding for all finishes used for Departmental Representative's later use in maintenance.

1.4 PRODUCT DELIVERY/
STORAGE / HANDLING

- .1 Deliver and store all painting materials in sealed, original labeled containers bearing manufacturer's name, brand name, type of paint or coating and colour designation, standard compliance, materials content as well as mixing and/or reducing and application

requirements in strict accordance with manufacturer and reference standards requirements.

- .2 Store paint materials at a minimum ambient temperature of 45 deg. F in a well ventilated and heated area.
- .3 Take all precautionary measures to prevent fire hazards and spontaneous combustion.

1.5
ENVIRONMENTAL/WASTE
MANAGEMENT AND
DISPOSAL REQUIREMENTS

- .1 Perform no painting or decorating work when the ambient air and substrate temperatures, relative humidity and dew point and substrate moisture content is below or above requirements for both interior and exterior work.
- .2 Apply paint only to dry, clean, properly cured and adequately prepared surfaces in areas where dust is no longer generated by construction activities such that airborne particles will not affect the quality of finished surfaces.
- .3 Ensure adequate continuous ventilation and sufficient heating and lighting is in place.
- .4 Paint, stain and wood preservative finishes and related materials (thinners, solvents, caulking, empty paint cans, cleaning rags, etc.) shall be regarded as hazardous products. Recycle and dispose of same subject to regulations of applicable authorities having jurisdiction.
- .5 To reduce the amount of contaminants entering waterways, sanitary/storm drain systems or into the ground retain cleaning water and filter out and properly dispose of sediments.
- .6 Set aside and protect surplus and uncontaminated finish materials not required by the Departmental Representative and deliver or arrange collection for verifiable re-use or re-manufacturing.

1.6 MAINTENANCE
MATERIALS

- .1 Deliver 3.7L of each colour paint used for this Project, including primer, for maintenance use. Store where directed. Clearly identify paint numbers on cans.

Part 2 Products

2.1 MATERIAL

- .1 Solvents throughout shall be odour-free type. Latex paint shall be 0 VOC.
- .2 Unless otherwise specified herein or pre-approved, all paint shall be ready-mixed and pre-tinted. Re-mix all paint in containers prior to and during application to ensure break-up of lumps, complete dispersion of settled

pigment, and color and gloss uniformity. Where thinner is used, addition shall not exceed paint manufacturer's recommendations. Paint materials for each coating formulae to be products of a single manufacturer. Other materials such as linseed oil, shellac, thinners, solvents, etc. shall be the highest quality product and shall be compatible with paint materials being used as required.

- .3 Colours shall be as selected by the Department Representative from full range of colours.

.1 Acceptable products:

- .1 Columbia Paint "Premium Pro," Alkyd Int/Ext Semi-Gloss Enamel
- .2 Durant Performance Coatings "Dur-A-Plex," Exterior Alkyd Semi-Gloss Enamel
- .3 Durant Performance Coatings "Dur-A-Plex," exterior Alkyd Porch & Deck Enamel
- .4 Kelly-Moore "Weather Shield," Ext-Int Alkyd Semi-Gloss Enamel
- .5 Approved Alternate

- .4 Interior of electrical huts to be of a consistent colour throughout the rooms.

2.2 INTERIOR FINISHES

- .1 Formula 1: For Painted Plywood Walls and Ceilings, interior Trim Boards, apply two (2) coats latex primer sealer (INT 6.4T).
- .2 Formula 2: For Painted Concrete Slabs: Two (2) coats of Water Based Sealer (INT 3.2G).
- .3 Formula 3: For oTentik cabinets: W.B. Varnish, Clear (over stain) Gloss Level G4. Premium Grade (INT 6.3W)

2.3 EXTERIOR FINISHES

- .1 Lumber Siding: one (1) coat alkyd undercoat plus two (2) coats semi-gloss (Gloss level 5) alkyd enamel (EXT 6.2C).
- .2 Wood Trim Boards, Corner Boards, Door Trim, Siding Apron, Soffits, Fascias: one (1) coat alkyd undercoat plus two (2) coats semi-gloss (Gloss level 5) alkyd enamel (EXT 6.3B).

Part 3 Execution

3.1 SITE AND SUBSTRATE CONDITIONS

- .1 Do not paint unless substrates are acceptable and/or until all environmental conditions (heating, ventilation, lighting and completion of other subtrade work) are

- acceptable for applications of products.
- .2 Humidity: Measure moisture content of substrate and surfaces by electronic moisture meter to the following:
 - .1 Wallboard: 12% maximum.
 - .2 Concrete: 12% maximum.
 - .3 Wood: 15% maximum.
- .3 Pay for all testing.
- .4 Thoroughly clean and vacuum all surfaces to be painted.
- .5 Furnish sufficient drop cloths, shields and protective equipment to prevent spray or droppings from fouling surfaces not being painted.
- .6 Place cotton wastes, cloths and materials which may constitute a fire hazard in metal containers and remove daily from site.
- .7 Remove all electrical plates, surface hardware, fittings and fastenings, prior to painting operations. These items shall be stored and replaced on completion of work in each area .

3.2 APPLICATION

- .1 Apply paint or stain in accordance with manufacturer's requirements. Cover surfaces completely and satisfactorily with an even color tone.
- .2 Sand and dust between each coat to remove defects visible from distance up to 1.5 meters.
- .3 Do not recoat until dry.
- .4 Backprime all interior/exterior woodwork before installation.
- .5 Painting coats specified are intended to cover surfaces satisfactorily when applied at proper consistency and in accordance with manufacturer's recommendations.
- .6 Paint all surfaces to remain exposed in the finished Work whether specifically indicated or not, except shop-and-factory-finished items indicated not to be painted. No new surface shall have less than one prime coat and two finish coats.

3.3 PROTECTION AND CLEAN-UP

- .1 Protect all newly painted exterior surfaces from elements condensation and contamination until paint coatings are completely dry. Erect barriers or screens and post signs to warn of, or limit, or direct traffic.
- .2 Remove all spilled, splashed, splattered or over sprayed paint as work progresses, remove waste materials and keep area free from unnecessary accumulation of tools, equipment, surplus materials and debris.