
Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 08 03 14 – Historic works – wood door repairs.
- .2 Section 08 50 00 – New wood windows.
- .3 Section 08 52 05 – Existing wood windows.
- .4 Section 09 91 13 – Painting exterior works.
- .5 Section 09 91 23 –Painting interior works.

1.2 REFERENCES

- .1 American Wood-Preservers Association (AWPA)
 - .1 AWPA.M2-11, Standard for Inspection of Treated Wood Products.
- .2 CSA International
 - .1 CAN/CSA-O80 Series-08, Wood Preservation.
- .3 Department of Justice Canada
 - .1 Canadian Environmental Assessment Act (S.C. 1992, c37).
 - .2 Pest Control Products Act (S.C. 2002, c28).
- .4 Environment Canada (EC)
 - .1 Canadian Environmental Protection Act (CEPA), [1999].
- .5 South Coast Air Quality Management District (SCAQMD), California State
 - .1 SCAQMD Rule 1113-A2011, Architectural Coatings.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for long-term treatment of wood. Data sheets must include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit purchase orders, invoices and related documents.
 - .3 Submit two (2) copies of WHMIS MSDS in accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .3 Certificates:
 - .1 Obtain and submit written approval of Departmental Representative, before start of wood treatment.
 - .2 Submit certificates for following information, certified by authorized signing officer of treatment plant.
 - .1 Information listed in AWPA M2 applicable to specified treatment.

- .2 Moisture content after drying following treatment with water-borne preservative.
- .3 List of acceptable types of paint, stain, and clear finishes that can be used over treated materials to be finished after treatment.

1.4 QUALITY ASSURANCE

- .1 Regulatory Requirements:
 - .1 Adhere to Code of Good Practice for Management of Hazardous and Toxic Wastes at Federal Establishments.
 - .2 Adhere to Canadian Environmental Assessment Act and Review Process as required.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect wood from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
 - .4 Store and handle wood preservatives in accordance with provincial work and safety regulations.
 - .5 Do not burn waste on the site.

1.6 ACCEPTABLE PRODUCTS AND MATERIALS

- .1 Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products

Part 2 Products

2.1 MATERIALS

- .1 Preservative: Chromated Copper Arsenate preservative complying with CAN/CSA-O80.
- .2 Solvent: complying to standard CAN/CSA-O80.20
- .3 Use chemical products that are non-toxic.
 - .1 Coatings: VOC limit 250 g/L maximum to SCAQMD Rule 1113.

2.2 ACCESSORIES

- .1 Compressed-air sprayer: with adjustable nozzle to allow spot application and a 1.5 m radius spray.

- .2 Watering cans: fitted with rose heads.
- .3 Dip-tank: sized to permit complete immersion of wood in preservative.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.
- .2 Report to Departmental Representative conditions of damp wood found during execution of contract.
- .3 Stop work in that area and report to Departmental Representative immediately evidence of deficiencies or insect and fungal attack not described on drawings which will affect scope of the work and durability of the finished product.
- .4 Obtain approval to proceed with wood treatment from Departmental Representative.

3.2 PREPARATION

- .1 Protection of in-place conditions:
 - .1 Protect painted surfaces from contact with preservative during application and for three (3) days afterward.
 - .2 Conduct treatment in designated area approved by Departmental Representative.
- .2 Surface Preparation:
 - .1 Clean dust, dirt and debris from surfaces and cavities of wood to be treated.
 - .2 Dry material to maximum moisture content of 9 %, following water-borne preservative treatment.
 - .3 Cut and drill new wood members to fit intended location, allow for dimensional changes due to treatment.
 - .4 Drill holes in accordance with approved methods by Departmental Representative.

3.3 APPLICATION

- .1 Worker protection:
 - .1 Wear personal protective equipment while working with treated materials in accordance with Section 01 35 29.06 - Health and Safety Requirements.

- .2 Use only wood preservative approved under the Canadian Environmental Assessment Act.
- .3 Spray or brush application:
 - .1 Apply preservative mixture by compressed-air sprayer and brush or paint brush for treatment of cuts.
 - .2 Apply preservative to wood surfaces.
 - .3 Apply (2) flood coats allowing 1 hour drying time between coats.
 - .4 Apply preservative to exposed end grain of wood.
- .4 Dip application:
 - .1 Completely immerse wood in preservative in dip tank for 10 minutes.
 - .2 Immerse end-grain and bottom 100 mm of new rafters and weather boards in preservative in dip tanks for (5) minutes.

3.4 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

END OF SECTION