
Part 1 GENERAL

1.1 SUMMARY

- .1 Section Includes:
 - .1 Plywood backing panels.
- .3 Related Requirements
 - .1 Section 01 74 21 - *Construction/Demolition Waste Management and Disposal*.
 - .2 Section 09 91 23 - *Interior Painting* for priming and finish paint of equipment backer boards prior to use.

1.2 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 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 indoors 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 Develop Construction Waste Management Plan related to Work of this Section.
- .5 Packaging Waste Management: remove for reuse and return of pallets, as specified in Waste Reduction Workplan.

Part 2 PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

- .1 Hardwood Veneer Plywood Panels: to HPVA HP-1.

2.2 PLYWOOD

- .1 Telecommunication and Electrical Equipment Backing Panels: Veneer-Faced Panel Products (Hardwood Plywood) to HPVA HP-1, Grade B or better veneer, in thickness indicated or, if not indicated, not less than 18.5 mm thickness.
 - .1 Apply two coats of paint finish to backing panels in accordance with Section 09 91 23 – Interior Painting prior to installation of equipment.

- .2 Plywood Blocking: DFP or CSP sheathing grade or PP standard sheathing grade, T&G edge.

2.3 FASTENERS

- .1 General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
 - .1 Where carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M.
- .2 Nails, Brads, and Staples: CSA B111.
- .3 Power-Driven Fasteners: NES NER-272.
- .4 Wood Screws: ASME B18.6.1.
- .5 Screws for Fastening to Metal Framing: ASTM C 954, length as recommended by screw manufacturer for material being fastened.
- .6 Lag Bolts: ASME B18.2.3.8M.
- .7 Bolts: Steel bolts complying with ASTM F 568M, Property Class 4.6; with ASTM A 563M hex nuts and, where indicated, flat washers.
- .8 Expansion Anchors: Anchor bolt and sleeve assembly of material indicated below with capability to sustain, without failure, a load equal to 6 times the load imposed when installed in unit masonry assemblies and equal to 4 times the load imposed when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing and inspecting agency.
 - .1 Material: Carbon-steel components, zinc plated to comply with ASTM B 633, Class Fe/Zn 5.

Part 3 EXECUTION

3.1 INSTALLATION, GENERAL

- .1 Set carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction.
- .2 Install plywood backing panels by fastening to studs; coordinate locations with utilities requiring backing panels.
- .3 Securely attach rough carpentry work to substrate by anchoring and fastening.

3.2 PROTECTION

- .1 Protect miscellaneous rough carpentry from weather. If, despite protection, miscellaneous rough carpentry becomes wet, apply borate treatment. Apply borate solution by spraying.

END OF SECTION