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Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section.

Section numbers and titles are from *MasterFormat 1995 Edition*, with numbers and titles from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

SECTION 06064 (06 00 13)

PARTICLEBOARD

Specifier Notes: This section covers Roseburg Forest Products Co. “SkyBlend™” particleboard. Consult Roseburg Forest Products Co. for assistance in editing this section for the specific application.

“SkyBlend” can be substituted in any particleboard application requiring no added urea formaldehyde resins and a tighter emission standard. Major uses of “SkyBlend” include shelving, countertops, cabinets, millwork, furniture, and fixtures. Revise the section number to reflect the specific use of the material.

“SkyBlend” is available as raw particleboard or can be specified as a low-emitting, no added urea formaldehyde core for Roseburg hardwood plywood, melamine panels, and UV-cured finishes and shelving. Consult Roseburg Forest Products Co. for more information.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Particleboard with no added urea formaldehyde resins.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. Include sections specifying products that incorporate “SkyBlend” particleboard. List other sections with work directly related to this section.

- A. Section 06220 (06 22 00) – Millwork.
- B. Section 06270 (10 57 23) – Closet and Utility Wood Shelving (Closet and Utility Shelving).
- C. Section 06410 (06 41 00) – Custom Cabinets (Architectural Wood Casework).
- D. Section 06415 (12 36 23.13) – Countertops (Plastic-Laminate-Clad Countertops).
- E. Section 10670 (10 56 00) – Storage Shelving (Storage Assemblies).
- F. Section 12300 (12 30 00) – Manufactured Casework (Casework).
- G. Section 12500 (12 50 00) – Furniture.

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ANSI A208.1 – Particleboard, Mat-Formed Wood.
- B. ASTM D 1037 – Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials.

Specifier Notes: Include the following sentence when specifying “SkyBlend Duramine” melamine panels. Delete if not required.

- C. Collaborative of High Performance Schools (CHPS).
- D. Environmentally Preferable Product (EPP).
- E. Scientific Certification Systems (SCS).

1.4 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit the following manufacturer’s information:
 - 1. Product data.
 - 2. LEED Credit Information:
 - a. LEED category.
 - b. Intent.
 - c. Requirements.
 - d. Possible credits.
 - e. Manufacturer’s solution.

- C. Samples:
 1. Submit manufacturer's sample of particleboard.
 2. Size: 3-1/2 inches by 5 inches.
- D. Manufacturer's Certification:
 1. Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
 2. Pre-consumer Recycled Wood Fiber Content: Third-party certification.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials during handling and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Roseburg Forest Products Co., PO Box 1088, Roseburg, Oregon 97470. Toll Free (800) 245-1115. Website www.rfpco.com. E-mail info@rfpco.com.

2.2 PARTICLEBOARD

- A. Particleboard: "SkyBlend".
 1. Grade: Industrial.
 2. Conformance: ANSI A208.1, Grade M2.

Specifier Notes: "SkyBlend" may contribute to LEED Recycled Content Credits MR 4.1 and MR 4.2.

- 3. Pre-consumer Recycled Wood Fiber: 100 percent.
 - a. Certification:
 - 1) EPP Grademark Program CPA 2-06.
 - 2) SCS 100 percent pre-consumer recycled fiber.

Specifier Notes: "SkyBlend" may contribute to LEED Indoor Environmental Quality Credit IEQ 4.4.

- 4. Urea Formaldehyde Resins Added During Manufacturing: None.

Specifier Notes: Specify particleboard panel thickness.

- 5. Panel Thickness: [1/4 inch] [3/8 inch] [1/2 inch] [5/8 inch] [11/16 inch] [3/4 inch] [1 inch] [1-1/8 inches] [Indicated on the Drawings].

Specifier Notes: Specify particleboard panel size. "SkyBlend" is available in both 49-inch and 61-inch widths. Most standard lengths are available, however some restrictions may apply depending on length and thickness. Consult Roseburg Forest Products Co. for availability of custom panel sizes.

6. Panel Size: [49 inches by 97 inches] [61 inches by 97 inches] [61 inches by 121 inches] [Indicated on the Drawings].

Specifier Notes: "SkyBlend" may contribute to LEED Credits MR 5.1 and MR 5.2 based on proximity of the project. "SkyBlend" is manufactured in Dillard, Oregon and all the fiber used to produce the particleboard is recovered within 324 miles of the plant site. Delete the following paragraph if not applicable.

7. Location:
 - a. Manufacturing: Dillard, Oregon.
 - b. Wood Fiber Recovered: Within 324-mile radius of Dillard, Oregon.
- B. Properties: Average product board sanded to 100 grit, ASTM D 1037.
 1. Density: 47 pounds per cubic foot.
 2. Tolerance:
 - a. Length: Plus or minus 0.080 inch.
 - b. Width: Plus or minus 0.080 inch.
 - c. Thickness:
 - 1) Panel Average from Specified: Plus or minus 0.008 inch.
 - 2) Variation from Panel Average: Plus or minus 0.004 inch.
 3. Modulus of Rupture: 2,103 psi.
 4. Modulus of Elasticity: 326,300 psi.
 5. Internal Bond: 65 psi.
 6. Hardness: 500 pounds.
 7. Screw Holding:
 - a. Face: 225 pounds.
 - b. Edge: 202 pounds.
 8. Linear Expansion, Maximum Average: 0.35 percent.
 9. Thickness Swell, 24-Hour Soak: 6 percent.
 10. Formaldehyde Emissions: 0.00 to 0.01 ppm.

Specifier Notes: Many types of particleboard look alike. To ensure the use of Roseburg Forest Products Co. "SkyBlend", specify blue tint dye in the particleboard core. This will provide visual identification of "SkyBlend".

11. Core Color: Blue tint dye.

Specifier Notes: Specify the following for "SkyBlend Duramine" melamine panels. Delete if not required. Consult Roseburg Forest Products Co. for more information.

- C. Melamine Panels: "SkyBlend Duramine".
 1. Conformance: CHPS Low-Emitting Materials criteria - Section 01350.

PART 3 EXECUTION

Specifier Notes: Prepare PART 3 – EXECUTION of this guide specification for the specific use of the “SkyBlend” particleboard. Include text as required to properly specify the installation of the product incorporating the “SkyBlend” particleboard.

END OF SECTION