

SECTION 06730 - COMPOSITE DECKING

PART 1-GENERAL

1.01 REFERENCE

- A. ASTM International (ASTM)
 - 1. ASTM D 7031-04: Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products
- B. American Wood Preservers Association (AWPA)
 - 1. AWPA E-1: Standard Method for Laboratory Evaluation to Determine Resistance to Subterranean Termites

1.02 SUBMITTALS

- A. Submittals for Review:
 - 1. A comprehensive package of product data, shop drawings, material samples, color samples and any additional information required to fully describe the contractor's intent. Refer to article 24 of the General Conditions.
- B. Closeout Submittals
 - 1. Maintenance Data: Manufacturer's instructions on care and cleaning of composite wood products.

1.03 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, and handle in accordance with manufacturer's instructions.
- B. Store level and flat, off the ground or floor, with supports at each end.
- C. Cover material with waterproof covering, vented to prevent moisture buildup.

1.04 WARRANTIES

- A. Furnish Manufacturer's Limited Lifetime warranty providing coverage which warrants the Product to be free from defects in material and manufacture and, when used for its intended purpose and properly installed and maintained according to the manufacturer's published installation instructions to resist rot or fungal decay and resist damage caused by insect or termite attacks.

1.05 QUALITY ASSURANCE:

- A. Installer Qualifications: Utilize an installer having demonstrated a minimum of five (5) years of experience on projects of similar size and complexity.

PART 2 –BASIS OF DESIGN PRODUCTS

2.01 COMPOSITE WOOD

- A. Moistureshield, Vantage Collection by A.E.R.T. Inc.
 - 1. Composition: Reclaimed wood and polyethylene plastic with additives for coloring and inhibiting fungal/algal growth; free from toxic chemicals.
 - 2. Profiles: 2x6 inches, un-grooved, with lengths as long as possible to reduce butt joints.
 - 3. Surface texture: Wood grain embossed finish, both sides
 - 4. Colors: Selected by owners representative from mfr. full color palette.

2.02 ACCESSORIES

- A. Fasteners: exposed, 316 stainless steel deck screws of the appropriate length as recommended by the manufacturer for the specific profile being fastened.

2.03 SUBSTITUTIONS:

- A. By owner approval only. All material samples and submittals shall be made to the owner's representative and shall be pre-approved prior to installation.

PART 3-EXECUTION

3.01 INSTALLATION

- A. Install composite wood in accordance with manufacturer's instructions.
- B. Cut, drill, and rout composite wood using carbide tipped blades.
- C. Pre-drill all fastener holes.
- D. Cut ends true and square.
- E. Do not use composite wood products as structural members.
- F. Do not exceed maximum spans recommended by manufacturer.
- G. Place boards perpendicular/diagonal to supports.
- H. Stagger end joints in adjacent rows at least one support.
- I. Leave expansion spaces between abutting boards and between boards and adjacent construction.
- J. End gaps between boards: 1/8 inch.
- K. Side gaps between boards: 1/4 inch.
- L. Gaps between boards and adjacent construction: 1/4 inch.
- M. Place boards to span three or more supports.
- N. Fasten each board to each support with two fasteners.

3.02 CLEANING

- A. Clean surfaces as needed, following the manufacturer's recommended cleaning procedures and materials.

END OF SECTION