

VT Industries, Inc.
1000 Industrial Park
PO Box 490
Holstein, Iowa 51025
Toll Free (800) 827-1615
Phone (712) 368-4381
Fax (712) 368-4111
Website www.vtindustries.com
E-mail plywood_info@vtindustries.com

July 2019

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*.

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” when editing this section.

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

SECTION 08216 (06 42 16)

Acoustical Wood Paneling

Specifier Notes: This section covers VT Industries Acoustical Wood Paneling. Consult VT Industries for assistance in editing this section for the specific application. Visit www.vtindustries.com/contact-us to locate a Territory Sales Manager in your region.

PART 1 GENERAL

1.1 SECTION INCLUDES

Wood Veneer Paneling

- A. Non Fire Rated
- B. Fire Rated Class I

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 01 33 00 - Submittal Procedures
- B. Section 06 20 00 - Finish Carpentry

1.3 REFERENCES AND REGULATORY REQUIREMENTS

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

- A. Quality Standards:
 - 1. AWS Quality Standards Edition 2, [or] select AWI QCP program [Custom] or [Premium]
 - 2. HPVA (Hardwood Plywood Veneer Association)
 - 3. LEED NC version 4

1.4 SUBMITTALS

- A. Submit under provisions of AWS Section 4 & 8 & 9 & 10 where applicable

Specifier Notes: Edit the product listing as required for your project.

- B. Shop drawings: Illustrate construction design criteria, elevations, sizes, types, reveals.
- C. Product Data: Indicate panel core materials, thickness, construction, veneer species
- D. Construction samples: Submit one or more of manufacturer's standard samples demonstrating core construction.
- E. Finish samples: illustrating the range of color and grain of the specified panel face materials.

1.5 QUALITY ASSURANCE

- A. Meet or exceed AWS Quality Standards Edition 2 Premium Grade [or] Custom Grade.

1.6 DELIVERY, STORAGE, AND HANDLING AND SITE CONDITIONS

- A. Deliver, store, protect and handle products under provisions of AWS and manufacturer's care and handling instructions.
- B. Accept panels on site in manufacturer's standard packaging. Inspect for damage. Do not store in damp or wet areas. HVAC systems must be operating and balanced prior to arrival of doors. Acceptable humidity shall be no less than 25% or greater than 55%.
- C. Certain wood species are light sensitive. Protect panels from exposure to natural and artificial light after delivery.

1.7 WARRANTY

- A. Provide manufacturer's warranty to the following term:
1. Include coverage for delamination, warping, bow, cup and telegraphing of core construction beyond warranty tolerances.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. VT Industries, Inc., One Eggers Drive, Two Rivers, Wisconsin, 54241. Phone (920) 793-1351. www.vtindustries.com. plywood_info@vtindustries.com.
- B. Ecoustics – Acoustical Wall Panels

Ecoustics EA1

- ASTM E84 Classification of Class A Fire Rating (as tested with complete panel assembly)
- Acoustical Performance Characteristics of complete panel assemblies that have been tested in accordance with ASTM C-423 (Type A Mounting method): Noise Reduction Coefficient (NRC): .20
- Overall panel thickness: ¾"
- Plank (tongue and groove) design – 7.75" wide by 96" long
- 3.2mm grooves 16mm on center with 8mm diameter holes with 32mm staggered spacing
- Urea Formaldehyde free construction available

Ecoustics EA2

- ASTM E84 Classification of Class B Fire Rating (as tested with complete panel assembly)
- Acoustical Performance Characteristics of complete panel assemblies that have been tested in accordance with ASTM C-423 (Type A Mounting method): Noise Reduction Coefficient (NRC): .70
- Overall panel thickness: 1-1/8"
- 24" wide up to 48" long
- 3mm grooves 5mm on center

Ecoustics EA3

- ASTM E84 Classification of Class C Fire Rating (as tested with complete panel assembly)
- Acoustical Performance Characteristics of complete panel assemblies that have been tested in accordance with ASTM C-423 (Type A Mounting method): Noise Reduction Coefficient (NRC): .70
- Overall panel thickness: 1-1/8"
- 24" wide up to 48" long
- 3mm grooves 5mm on center
- Urea Formaldehyde free construction available

Ecoustics EA4

- ASTM E84 Classification of Class B Fire Rating (as tested with complete panel assembly)
- Acoustical Performance Characteristics of complete panel assemblies that have been

tested in accordance with ASTM C-423 (Type A Mounting method): Noise Reduction Coefficient (NRC): .60

- Overall panel thickness: 1-1/8"
- Up to 4x8 size
- 6mm diameter hole 16mm on center straight lay out

2.2 WOOD MATERIALS

A. GRADE

Meet or exceed AWS Quality Standards Edition 1
[Choose One] Premium Grade [or] Custom Grade.

B. WOOD SPECIES AND CUT

1. Wood (WD-1) [List specie]

a. Edges: Edges shall be [Choose One] veneer [or] lumber construction of same species and cut as panel faces and compatible with grain and color of panel faces.

2. Wood (WD-2) [if applicable]

3. Wood (WD-3) [if applicable]

C. VENEER MATCHING

1. Book Match
2. Slip Match
3. Random Match

D. ASSEMBLY OF SPLICED VENEERS

1. Running match [standard unless otherwise noted]
2. Balance match
3. Center balance match

Specifier Notes: Specify sections E and F per project requirements. See AWS Section 4 & 8.

E. END MATCHING [Choose One]

1. No End match required
2. Architectural End Match
3. Continuous Sequenced Match
4. Panel End Match

F. PANEL MATCHING METHOD [Choose One]

1. Premanufactured Sets – Full Width
 2. Premanufactured Sets – Selectively Reduced in Width
 3. Sequenced Match Uniform Size Set
 4. Blueprint Matched Panels and Components (including flush wood doors)
- [When chosen include following verbiage]. All adjacent panels and doors to be manufactured simultaneously by a single manufacture who is able to produce both wood panels and wood doors. See division section **08 14 16** for specifications related to wood doors.

2.3 CORE MATERIALS

- A. **NON FIRE RATED COREBOARD** [Choose One]
 - 1. Medium Density Fiberboard conforming to ANSI A208.2, type 1, grade 1-M-2 (CARB ULEF/ NAF)
 - 2. Particleboard conforming to ANSI A208.2, type 1, grade 1-M-2 (CARB ULEF/ NAF)

- B. **FIRE RATED CLASS I COREBOARD**
 - 1. Medium Density Fiberboard conforming to Flame Spread Rating - ASTM E-84 tunnel tests
 - 2. Particleboard conforming to Flame Spread Rating - ASTM E-84 tunnel tests

- C. **ADHESIVES**
 - 1. Laminating Adhesive: Type 1
 - 2. No added formaldehyde

2.4 CUSTOM WOOD VENEER PANELING

Specifier Notes: Modify or omit this listing to meet your project requirements.

- A. **WOOD PANELING**
 - 1. Mounting System
 - a) Metal clip system designed to allow panels alignment and fastened to substrate.
 - 2. Fire Blocking behind paneling
 - b) Fire treated solid blocking mounted between back of paneling and face of gypsum board substrate
 - 3. Panel Reveals
 - c) As drawings indicate
 - 4. Panel Thickness
 - d) As drawings indicate

2.5 SPECIAL MILLWORK FABRICATION ITEMS

- A. **BLUE PRINT MATCHED DOORS**
 - 1. All adjacent blueprint matched panels and doors to be provided by the millworker. Millworker to single source these items from the approved manufacturers list.

2.6 FACTORY FINISH

- A. Factory Finish: VT Industries factory finish.
 - 1. Description: AWS System 10 — UV Curable Water Based

Specifier Notes: Specify stain color, unless clear finish is required. Consult VT Industries for availability of custom stain colors. A minimum 3-inch by 5-inch physical sample is required for custom color matching.

- a. Clear Finish: Clear.
 - b. Stain Color: [Alpine] [Chocolate] [Grassland] [Oasis] [Onyx] [Ravine] [Riverstone] [Savanna] [Serengeti] [Timber] [Wheat].
 - c. Prime for opaque finished doors.
2. Sealers and Topcoats: AWS System 10 — UV Curable Water Based

PART 3. EXECUTION

3.1 EXAMINATION

- A. Verify the adequacy and proper location of any required backing or support framing
- B. Verify that mechanical, electrical, plumbing and other building items (supplied by others) effecting work in this section are in place and ready.

3.2 INSTALLATION

- A. Install all work in conformance with AWS Quality Standards Edition 2 [or] select AWI QCP program [Custom] or [Premium]
- B. All work shall be secured in place, square, plumb and level.

3.3 WARRANTY TOLERANCES

Conform to WDMA standards and testing methods for warp, cup, bow and telegraphing.

END OF SECTION