

SUGGESTED SPECIFICATIONS
SECTION 09 72 00
C/S Acrovyn® Wood Wall Panel

Part 1 - General

1.01 Summary

- A. This section includes the following types of wall protection systems:
 - 1. Wall Panels
- B. Related sections: The following sections contain requirements related to this section:
 - 1. Handrails, Bumper Guards, Crash Rails, Corner Guards, Accent Rails, Wall Covering, Door Protection; refer to section 10 26 00 "Wall and Door Protection"

1.02 References

- A. National codes (IBC, UBC, SBCCI, BOCA and Life Safety)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriters Laboratories (UL)

1.03 Submittals

- A. General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures".
- B. Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.
- C. Shop drawings showing locations, extent and installation details of wall panel products.
- D. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, texture, pattern and thickness:
 - 1. Sample of each product specified.
- E. Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.
- F. Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

1.04 Quality Assurance

- A. Installer qualifications: Engage an installer who has no less than 3 years experience in installation of wall panels similar in complexity to those required for this project.
- B. Manufacturer's qualifications: Not less than 5 years experience in the production of specified products and a record of successful performance.
- C. Product quality standard: To comply with AWI section 500 for flush fitting wood paneling. Quality grade to be premium.
- D. Code compliance: Assemblies should conform to all applicable codes including IBC, UBC, SBCCI, BOCA and Life Safety.
- E. Fire performance characteristics: Provide wall panels fabricated from fire rated materials tested in accordance with ASTM-E84 (CAN/ULC S102.2) for Class 1 characteristics listed below:
 - 1. Flame spread 25 or less
 - 2. Smoke developed: 450 or less
- F. Chemical and stain resistance: Provide wall panels with chemical and stain resistance in accordance with ASTM D-1308.

- G. Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.

1.05 Delivery, Storage and Handling

- A. Deliver materials to the project site in unopened factory packaging clearly labeled to show manufacturer.
- B. Store materials in original, undamaged packaging in a clean, dry place out of direct sunlight and exposure to the elements. A room temperature of 40-100°F (4-38°C) should be maintained.
- C. Materials must be stored flat.

1.06 Project Conditions

- A. Materials must be acclimated in an environment of 65-75°F (18-24°C) for at least 24 hours prior to beginning the installation.
- B. Installation areas must be enclosed and weatherproofed before installation commences.

Part 2 - Products

2.01 Manufacturers

- A. Interior surface protection products specified herein and installed on the submittal drawings shall be manufactured by Construction Specialties, Inc.

2.02 Materials

- A. Wood Wall Panels to be Renaissance by Construction Specialties Inc: Wall panels to be manufactured of 1/32" (.79mm) thick wood veneer factory bonded to the face side of a 3/8" (9.53mm) thick particle board core. Panels to have a #4 veneer back.

- 1. C/S Wood Wall Panel available in 3/8" (9.53mm) thickness supplied with standard square veneer edges or optional square, beveled or radiused lumber edges. Standard panel size is 48" x 96" (1.23m x 2.44m). Select from Bamboo, Maple, Beech, Ash, Cherry or Oak woods. FSC certified wood veneers can be specified. Standard finishes include Natural, Light Oak, Honey, Cherry and Walnut. Custom woods and finishes available. Specify desired reveal color.

2.03 Wall Panel Mounting Options:

- A. Adhesive Mount Option to be construction grade adhesive supplied by manufacturer. Available for 3/8" (9.53mm).

- 1. Adhesive Mount Option to be construction grade adhesive supplied by manufacturer.
 - 2. Demountable Z-Clip Option to be 2" (25.4mm) wide aluminum panel clips used in conjunction with continuous aluminum wall extrusions. Panel reveal to be 3/8" (9.53mm) to 1" (25.4mm)

2.04 Accessories

- A. Renaissance Wood Wall Panels shall be furnished as a complete packaged system.

2.05 Fabrication

- A. General: Fabricate wall panels to comply with requirements indicated for design, dimensions, detail, finish and sizes. All based upon required field verified dimensions.

2.06 Finishes

- A. Wood veneer to be final coated with catalyzed, high solids, clear conversion varnish using a two coat process. Finish shall be in accordance with specified AWI finish system. Coverage shall be a minimum of 3-5 mils. Gloss shall be measured on 60° gloss meter as per ASTM D523.

Part 3 - Execution

3.01 Examination

- A. Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
 - 1. Do not proceed until unsatisfactory conditions have been corrected.

3.02 Preparation

- A. Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.
- B. Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

3.03 Installation

- A. Install the work of this section in strict accordance with the manufacturer's recommendations and the required field verified dimensions.
- B. Temperature at the time of installation must be between 65-75°F (18-24°C) and be maintained for at least 48 hours after the installation to allow for proper adhesive set up.
- C. Relative humidity shall not exceed 80%.

3.04 Cleaning

- A. General: Immediately upon completion of installation, clean wall panels and accessories in accordance with manufacturer's recommended cleaning method.
- B. Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

3.05 Protection

- A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.