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 06600 (06 64 00)

PVC WALL AND CEILING PANELING

Specifier Notes: This section covers Extrutech Plastics "P1300" exterior-grade PVC wall and ceiling panels. Consult Extrutech Plastics for assistance in editing this section for the specific application.

PART 1   GENERAL

1.1   SECTION INCLUDES

A.   Exterior-grade PVC wall and ceiling panels.

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 07920 (07 92 00) - Joint Sealants.

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.   ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4   SUBMITTALS

A.   Comply with Section 01330 (01 33 00) - Submittal Procedures.

B.   Product Data: Submit manufacturer's product data, including the following:
   1.   Panel and trim details.
   2.   Installation instructions.

C.   Samples:
   1.   Submit manufacturer's samples of wall and ceiling panels, including tongue-and-groove edges and nailing fins.
   2.   Submit manufacturer's samples of each type of trim to be installed.

D.   Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.

E.   Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.

F.   Warranty: Submit manufacturer's standard warranty.

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:
   1.   Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
   2.   Store wall and ceiling panels flat.

C.   Handling: Protect materials during handling and installation to prevent damage.

1.6   ENVIRONMENTAL REQUIREMENTS

A.   Installing Wall and Ceiling Panels:
   1.   Cold Temperatures: When installing wall and ceiling panels in temperatures below 40 degrees F, warm to a minimum of 60 degrees F overnight and leave space between panels to allow for expansion in accordance with manufacturer's instructions.
   2.   Warm Temperatures: When installing wall and ceiling panels in temperatures above 70 degrees F, warm panels to a minimum of 60 degrees F in accordance with manufacturer's instructions.

B.   Cutting Wall and Ceiling Panels:
   1.   Cold Temperatures: Before field-cutting wall and ceiling panels in temperatures below 40 degrees F, warm panels to a minimum of 60 degrees F overnight.

1.7 WARRANTY

A. Warranty Period for Wall and Ceiling Panels: 10 years.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Extrutech Plastics, Inc., 5902 West Custer Street, Manitowoc, Wisconsin 54220
Toll Free (888) 818-0118 Phone (920) 684-9650 Fax (920) 684-4344
Website   www.epiplastics.com
E-mail   info@epiplastics.com

2.2 PVC WALL AND CEILING PANELS

A. Wall and Ceiling Panels: "P1300".
   1. Description: Tongue-and-groove, rib-reinforced wall and ceiling panels with nailing fins.
   2. Material: 100 percent virgin, exterior-grade PVC.
   3. Outside Surface: Flat.
   4. Width: 12 inches.
   5. Thickness: 1/2 inch.
   6. Weight: 0.69 pound per square foot.
   7. Surface Burning Characteristics, ASTM E 84:
      a. Flame Spread Index: 20.
      b. Smoke Developed Index: 400.
   8. Color: White, glossy finish.
   9. Nonporous
   10. Waterproof
   11. Corrosion Proof
   12 Acceptance:
      a. USDA
      b. Canadian Food Inspection Agency (CFIA)

B. Trim:
   1. Material: 100 percent virgin, exterior-grade PVC.
   2. Weight: 0.06 pound per linear foot.
   3. Color: Same as wall and ceiling panels.

2.3 ACCESSORIES

A. Construction Adhesive: PL400 or Liquid Nails, as recommended by wall and ceiling panel manufacturer.

B. Fasteners:
   1. Fastening into Wood: Stainless steel, 1-1/4-inch, No. 8 truss-head sheet metal screws.
   2. Fastening into Masonry: Stainless steel, Buildex Tapcon 3/16-inch by 1-1/4-inch screws, with 1/4-inch stainless steel washers.
   3. Fastening into Metal: Stainless steel, 3/4-inch, No. 8 truss-head sheet metal or flat-head Tek screws.
   4. Staples: Do not use.

C.   Joint Sealants: As specified in Section 07920 (07 92 00).

PART 3   EXECUTION

3.1   EXAMINATION

A.   Examine areas to receive wall and ceiling panels.

B.   Notify Architect of conditions that would adversely affect installation or subsequent use.

C.   Do not begin preparation or installation until unacceptable conditions are corrected.

3.2   PREPARATION

A.   Prepare wall and ceiling panels for installation in accordance with manufacturer's instructions.

B.   Ensure wall and ceiling panels are dry and clean.

3.3   INSTALLATION

A.   Install wall and ceiling panels in accordance with manufacturer's instructions at locations indicated on the Drawings.

B.   Install wall and ceiling panels plumb, level, square, flat, and in proper alignment.

C.   Install trim in accordance with manufacturer's instructions.

D.   Ceiling Panels: Anchor ceiling panels with fasteners in accordance with manufacturer's instructions.

E.   Wall Panels: Anchor wall panels with construction adhesive and fasteners in accordance with manufacturer's instructions.

F.   Fasteners:
        1.   Install fasteners 16 inches to 24 inches on center into nailing fins.
        2.   Keep top of screw head 1/16 inch above top of nailing fins, allowing panels to move slightly.
        3.   Do not recess screw heads into nailing fins.
        4.   Ensure nailing fins lay flat against surface, not deformed around screw heads.
        5.   Ensure fasteners are not exposed.

G.   Cutting Wall and Ceiling Panels:
        1.   Field-cut panels as necessary in accordance with manufacturer's instructions.
        2.   Ensure cuts are straight, square, and do not damage panels.

H.   Apply joint sealants as specified in Section 07920 (07 92 00).

3.4   ADJUSTING

A.   Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

B.   Remove and replace damaged wall and ceiling panels in accordance with manufacturer's instructions.

3.5   CLEANING

A.   Clean wall and ceiling panels promptly after installation in accordance with manufacturer's instructions.

B.   Do not use harsh cleaning materials or methods that could damage finish.

3.6   PROTECTION

A.   Protect installed wall and ceiling panels from damage during construction.

END OF SECTION