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PVC PANELS
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This section includes PVC panels for surface mounting. Panels are fire rated. This section includes proprietary and descriptive type specifications. Edit to avoid conflicting requirements. General

1.1 SECTION INCLUDES

- A. [Surface] mounted PVC wall panels.

1.2 RELATED SECTIONS

List sections that specify installation of products directly associated with this section; indicate specific items. Coordination between the work of mechanical and electrical sections and the text of this article, requires special consideration.

- A. Section 06 11 00 - Wood Blocking: Blocking and shims attached to substrate to support, attached to a level plane.
- B. Section [____-_____]: Placement of special anchors or inserts for supporting panels.
- C. Section 07 92 00 - Joint Sealants: Silicone sealant for perimeter edge seal.
- D. Section [____-_____]: [Acoustic] partition system with head rails [attached to] [within] assembly.

1.3 REFERENCES

List reference standards that are included within the text of this section. Edit the following as required for project conditions.

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM E331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference
- C. ASTM G21 Resistance of Synthetic Polymeric Materials to Fungi
- D. CISCA (Ceilings & Interior Systems Contractors Association):

1.4 SUBMITTALS FOR REVIEW

Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. Include a requirement for shop drawings only when special project conditions exist or when reflected ceiling plans are not provided on the working drawings.

- A. Section 01 33 00: Submission procedures.
- B. Product Data: Provide data on PVC panel construction and cleaning instructions.

Include the following paragraph for submission of physical samples for selection of finish, colour, surface texture, etc.

- C. Panel Samples: Submit [two] [____] samples of each size and color specified.

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1.5 QUALITY ASSURANCE

1.6 PROJECT CONDITIONS

- A. Section 01 32 13: Work scheduling.
- B. Sequence work to ensure ceilings are not installed:
 - 1. Until building is enclosed,
 - 2. Sufficient heat is provided,
 - 3. Dust generating activities have terminated, and
 - 4. Overhead work is completed, tested, and approved.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Section 01 66 00 for storage and handling of materials.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store cartons laid flat, protected from exposure to sun, high temperatures and humidity conditions as recommended by the manufacturer.

1.8 EXTRA MATERIALS

- A. Section 01 78 46: Extra materials.
- B. Provide to the Owner a quantity of [5] [_____] percent of all panels provided, in each color, for the Work.

1.9 WARRANTY

- A. Warranty: Refer to Section [01 78 00.] [_____.]
- B. Limited Warranty: Ten (10) years from product manufacturing defects.

Part 2 Products

2.1 Wall PANELS

In the following paragraph, list the manufacturers acceptable for this project. Edit the subsequent descriptive specifications to identify project requirements and to eliminate any conflict with specified manufacturer's products.

- A. Manufacturers:
 - 1. Palisade PVC Panels, by Acoustic Ceiling Products (ACP), PO Box 1581, Appleton, WI, 54912-1581; Phone - Toll Free: 800-434-3750; Fax - Toll Free 800-434-3751; e-mail to: support@acpideas.com; Web site: www.acpideas.com.
 - 2. Substitutions: [Refer to Section 01 62 00.] [Not permitted.]

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B. Material:

Material: Polyvinyl chloride (PVC), Sizes: Tiles -5mm (15 3/64 inch x 25- 27/32 inch) (382.19 x 656.43 mm); 5mm (11-3/32 inch x 23-13/64 inch) (281.78x 589.35 mm) 5mm (7- inch x 22 ½- inch) (177.8mm x 571.5mm) *(these are nominal dimensions, always consult with manufacture for exact dimensions)*

Planks – Size 5mm (7 5/16-inch x 47 inch) (185.73 x 1193.8 mm)

XL Panels – Size 4.7mm (30-inch x 78 inch) (36-inch x 78 inch) (48-inch x 78 inch)
(30-inch x 94 inch) (36-inch x 94 inch) (48-inch x 94 inch)

C. Finish:

Select the following texture and color. Alternatively, these sub-paragraphs may be deleted and the ACP color code and description specified (which identifies both the texture and color). If a variety of finishes will be used on this project, use a schedule in Part 3 to identify them.

1. Tiles - Standard Colors: Wind Gust (53506, 53006), Wintry Mix (53508, 53008), Rain Cloud (53507, 53007), Frost Nickel (53502, 53002), Carrara Marble Matte (53510, 53010), Louvre Granite (53503, 53003), Hermitage Granite (53504, 53004), Prado Granite (53505, 53005), Venetian Marble (53511, 53011), Grecian Earth (53501, 53001), Adobe Drift (53509, 53009), Ashen Slate (53500, 53000) Black Ice (53017), Cracked Slate (53018), Dusty Pearl (53012), Iced Pewter (53016), Polar Frost (53020) Silver Lake (53014), Smoky Sky (53015) Spanish Marble (53019) Woven Heather (53013).
2. Planks – Standard Colors: Gray Oak (54000), Oak Mocha (54001), Natural Oak (54002)
3. ACCESSORIES

D. Edge Moldings: Trims available consult manufacturer.

E. Niche, Shelf and Floating Bench

Specify one of the following adhesives, if surface mounted panels are used, or if panels must be adhered. The following adhesives are recommended by ACP.

F. Adhesive: **Loctite Power Grab Ultimate, Manus 75-AM HV**

G. Include the notched trowel below if panels will be glued with a troweled adhesive.

H. Tools: Site-cutting tools, caulk gun or notched trowel for installing panels.

Part 3 Execution

3.1 EXAMINATION

A. Section 01 71 00: Verification of existing conditions before starting work.

B. Verify that layout of panels will not interfere with other work.

3.2 INSTALLATION

- A. Install assembly in accordance with manufacturer's instructions and as supplemented in this section.
- B. Cutting Panels: Using a table saw or circular saw for cuts, and jig saw, multi tool for irregular cuts like around wall outlets and hole saw for plumbing fixtures.
- C. Surface Mounting:
 - 1. Prepare substrate surface by cleaning properly. (free of dust and organic material that may impede adhesion)
 - 2. Apply adhesive to substrate using a notched trowel or tube adhesive with proper coverage.
 - 3. Install full panels, working across the room.
 - 4. Overlap tongue and groove tiles.
 - 5. Once completed, firmly press all wall panels to ensure proper adhesive bond.
- D. Perimeter Molding:
 - 1. Install edge trim at the ends of your wall if desired.
 - 2. Use single piece longest practical lengths.

3.3 SCHEDULE

END OF SECTION