

## SECTION 10264

### HIGH IMPACT WALL COVERING

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. High impact acrylic/PVC wall covering.
- B. Adhesive, accessories, and trim.

##### 1.2 RELATED SECTIONS

- A. Section 06200 - Finish Carpentry.
- B. Section 06410 - Custom Cabinets.
- C. Section 09260 - Gypsum Board Assemblies.
- D. Section 09720 - Wall Covering: Conventional finishes.

##### 1.3 REFERENCES

- A. ASTM D 543 - Standard Test Method for Resistance of Plastics to Chemical Reagents.
- B. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
- C. ASTM D 732 - Standard Test Method for Shear Strength of Plastics by Punch Tool.
- D. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

##### 1.4 PERFORMANCE REQUIREMENTS

- A. Surface Burning Hazard: Tested per ASTM E 84 for Class A ratings.
- B. Shear Strength: 4,500 psi, per ASTM D 732.
- C. Tensile Strength: 6,000 psi, per ASTM D 638.
- D. Chemical Resistance: Type I, Grade 2, per ASTM D 543.

##### 1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.

- B. Product Data: Manufacturer's complete and current product data, including installation instructions.
- C. Selection Samples: Color charts consisting of actual product pieces, illustrating full range of colors and textures available, for initial color selection.
- D. Verification Samples: 12 inch by 12 inch samples, including typical accessory, in each color specified.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: A company experienced in performing the work of this section, and approved by wall covering manufacturer.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver to project site in manufacturer's packaging, properly labeled.
- B. Store materials flat in a clean, dry area.

#### 1.8 ENVIRONMENTAL REQUIREMENTS

- A. Maintain storage temperature at or above 50 degrees F.
- B. Acclimatize materials and bring surfaces to receive wall covering to a temperature between 65 and 85 degrees F for not less than 24 hours prior to installation.
- C. Maintain relative humidity at 80 percent or less during installation.
- D. Do not expose walls to direct sunlight for 48 hours after installation.

#### 1.9 MAINTENANCE MATERIALS

- A. Provide maintenance materials comprising 5 percent of each type of wall covering installed, for Owner's use.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Provide Pro-Tek Wall Covering as manufactured by Pawling Corporation, Standard Products Division; Borden Lane, P.O. Box 200; Wassaic NY 12592; ASD. Tel. (800) 431-3456 (U.S. and Canada) or (914) 373-9300, Fax. (800) 451-2200 (U.S. and Canada) or (914) 373-8712, E-mail address sales@pawling.com
- B. Substitutions: Not permitted.

## 2.2 PRODUCTS

- A. Wall Covering: Rigid, high-impact acrylic/polyvinyl chloride sheet.
  - 1. Thickness: 0.028 inch.
  - 2. Thickness: 0.040 inch.
  - 3. Thickness: 0.060 inch.
  - 4. Thickness: 0.093 inch.
  - 5. Thickness: 0.125 inch.
  - 6. Sheet size: 4 feet x 8 feet.
  - 7. Sheet size: \_\_\_\_\_.
  - 8. Color: As selected from manufacturer's standard colors.
  - 9. Color: As selected from manufacturer's custom colors.
  - 10. Color: As selected from manufacturer's contract colors.
  - 11. Color: As scheduled on the drawings.
  - 12. Color: \_\_\_\_\_.

## 2.3 ACCESSORIES

- A. Provide all necessary trim members in high-impact acrylic/polyvinyl chloride matching wall covering except as otherwise indicated. Provide the following in standard lengths:
  - 1. Top caps: "J" molding.
  - 2. Joint covers: "H" divider.
  - 3. Inside corners.
  - 4. Outside corners.
- B. Adhesives: As recommended or supplied by manufacturer of high impact wall covering.

## PART 3 EXECUTION

### 3.1 PREPARATION

- A. Verify that walls are in proper condition to receive installation of high impact wall covering.
- B. Verify that environmental conditions specified in PART 1 have been achieved and can be maintained.
- C. Review manufacturer's written Installation Instructions and/or Instructional Video prior to proceeding with installation.

### 3.2 INSTALLATION

- A. Install high impact wall covering in full compliance with manufacturer's installation instructions.
- B. Apply two coats of adhesive to wall surfaces and one coat to back of wall covering. Adhesive must be dry and tacky to the touch before panels are placed.
- C. Install panels with expansion gap of 1/16 inch between sheets, at door frames, baseboards, and other fixed elements. Cut oversized holes when installing fixtures through wall covering.

### 3.3 ADJUSTING AND CLEANING

- A. Verify that sheets and accessories are level and plumb and rigidly secured to substrate; make any adjustments required.
- B. Clean wall covering and accessories of adhesive and other surface blemishes, using materials and methods recommended by manufacturer. Remove from project site packaging and debris caused by installation.

END OF SECTION