

# SECTION 10260 RIGID WALL COVERING: 0.04"/1.2mm THICKNESS

## SUGGESTED SPECIFICATIONS

### PART 1 – GENERAL

#### 1.01 Summary

- A. Wall Protection Systems to include:
  - 1. High-Impact Rigid Wall Covering
- B. Related Sections
  - 1. Wall blocking between framing studs for mechanical fasteners: Section 09250 Gypsum Board Systems

#### 1.02 References

- A. American Society for Testing and Materials (ASTM)
- B. National Fire Protection Association (NFPA)
- C. Uniform Building Code (UBC)

#### 1.03 Submittals

- A. Product Data for each style of rigid wall covering specified
- B. Test Data detailing compliance with specifications
- C. Detail Drawings depicting product dimensions, accessories, installation methods, and accessories
- D. Installation Instructions detailing in writing manufacturer's recommended installation methods for all types of wall construction and substrates
- E. Maintenance Instructions outlining manufacturer's recommended cleaning, refinishing and repair instructions
- F. Product Samples to include each style of rigid wall covering specified, and samples of manufacturer's standard colors and patterns
- G. Manufacturer's Statement of Warranty

#### 1.04 Warranty

- A. Manufacturer to provide 10-year warranty against structural failure and 10-year warranty on finish, as per manufacturer's terms and conditions

#### 1.05 Quality Assurance

- A. Code compliance: Provide rigid wall covering that complies with ANSI requirements
- B. Fire Performance Characteristics: Rigid wall covering to conform with NFPA Class A fire rating, and surface burning characteristics, as determined by ASTM E-84 (Steiner tunnel test), shall be a flame spread of 0-25 and smoke development of 350-450
- C. Self-Extinguishing: Rigid wall covering to have a CC1 classification, as referenced in UBC 52-4-1988 and tested in accordance with ASTM D-635-74, Standard Test Method for Rate of Burning of Self-Supporting Plastics in a Horizontal Position
- D. Impact Strength: Provide rigid wall covering

that has an impact strength of 30.2 ft-lbs/ inch of thickness, as specified in ASTM D-256-90b, Impact Resistance of Plastics repairable marks

- E. Chemical Stain Resistance: Provide rigid wall covering that is resistant to staining when tested in accordance with applicable provisions of ASTM D-543
- F. Fungal and Bacterial Resistance: Provide rigid wall covering that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22
- G. Single Source Responsibility: Provide all wall protection systems and components manufactured by the same company to ensure compatibility of color, texture, and other properties

#### 1.06 Delivery, Storage and Handling

- A. Deliver materials to the jobsite in unopened factory packaging
- B. Inspect materials upon delivery to ensure that all specified product components and accessories received in good condition
- C. Store material flat in original packaging in a climate controlled location, away from direct sunlight

#### 1.07 Project Conditions

- A. Materials must be acclimated to project conditions between 65°F and 80°F at least 24 hours prior to installation
- B. Install wall protection systems only after the facility's permanent environmental conditions have been established

### PART 2 – PRODUCTS

#### 2.01 Manufacturer

- A. Kwalu LLC, Atlanta, GA, 30341, Phone: 877-MY-KWALU (695-9258), Fax: 678-690-5572, website: kwalu.com
- B. Substitutions: Not permitted
- C. Provide all wall protection products and components from a single manufacturer

#### 2.02 Materials

- A. Acrylic/polyvinyl chloride co-polymer: Class A fire-rated extruded material to be high-impact resistant, stain and chemical resistant.

#### 2.03 Manufactured Units

- A. All rigid wall covering to be manufactured with a simulated wood grain. The surface finish shall be repairable in the field following manufacturer's repair procedures so that there is no discernible damage. Surface printing methods strictly prohibited
- B. Kwalu rigid wall covering material is to

be 0.04"/1.2mm thick and supplied in standard 4' x 10' sheets unless noted otherwise

- 1. All trim components to match color and wood grain pattern of wall covering. Trim components to include top caps, joint covers, inside and outside corners where required. Material to be installed to minimize the number of vertical seams
- 2. Wood grain pattern to be oriented in vertical direction unless noted otherwise
- 3. Pattern/color of polymer extrusions to be chosen by architect from manufacturer's many wood grain patterns

### PART 3 – EXECUTION

#### 3.01 Examination

- A. Verify that all wall surfaces are properly prepared to receive installation of rigid wall covering
- B. Complete all other finish operations prior to installing wall protection systems, including painting

#### 3.02 Preparation

- A. Clean all wall surfaces and substrates to remove dust, debris, and loose paint

#### 3.03 Installation

- A. Install all wall protection components in strict accordance with manufacturer's printed installation instructions
- B. Install rigid wall covering with manufacturer's recommended water-based mastic adhesive

#### 3.04 Cleaning

- A. Clean all wall protection components in strict accordance with manufacturer's cleaning instructions

  
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