**Amorim Expanded Cork Façade Siding**

1. Section 074600   
   Cork façade Siding
   1. PART 1  GENERAL
      1. SECTION INCLUDES
         1. Expanded Cork Façade exterior wall construction
      2. RELATED REQUIREMENTS
         1. Section 072727 – Vapor Permeable Barrier
      3. DEFINITIONS
         1. Expanded Cork Façade Panels: referred to as natural cork bark board is composed of 100% renewable ground up cork oak tree bark and processed through heat and steam into rigid façade siding panels.
      4. REFERENCE STANDARDS
         1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
         2. ISO 14025 / 21930 - Environmental Product Declaration (EPD)
      5. SUBMITTALS
         1. Product Data: Provide data on product characteristics, performance criteria, and product limitations.
         2. Declare Label indicating Red List Free ingredients.
         3. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
         4. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.
      6. QUALITY ASSURANCE
         1. Verify all materials are inspected for defects prior to installation.
      7. FIELD CONDITIONS
         1. Do not install panel adhesives when temperature or weather conditions are detrimental to successful installation.
   2. PART 2  PRODUCTS
      1. APPLICATIONS
         1. Exterior Façade Siding:  Expanded Cork Façade Panels.
         2. Interior Panels:  ​Expanded Cork Façade Panels.
      2. expanded cork BOARD Facade MATERIALS
         1. Expanded Cork Board Facade Panels:
            1. Flame Spread Index (FSI):  Class B - 26 to 75, when tested in accordance with ASTM E84.
            2. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
            3. Board Size: 39.37 inch by 19.685 inch.
            4. Board Thickness: 1, 2, 3, 4, 5, 6, 8 inch.
            5. Board Edges: Shiplap or Square
            6. Type and Compressive Resistance:  Type XI, 5 psi (35 kPa), minimum.
            7. Type and Water Absorption:  Type XI, 4.0 percent by volume, maximum, by total immersion.
            8. Thermal Resistance, R-value: 3.4 minimum, per 1 inch thickness
            9. Products:

Amorim Expanded Cork Façade Panels

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Substitutions:  See Section 016000 - Product Requirements.

* + 1. ACCESSORIES
       1. Vapor Permeable Barrier:  See Section 072727.
       2. Vapor Permeable Barrier: Self-Adhering Water-Resistive Air Barrier Membrane, 15 mil, 0.37 mm thick.
          1. Basis-of-Design Products: PanelShield SA® Self-Adhered Water-Resistive Vapor Permeable Air Barrier Sheet as manufactured by VaproShield, a Zero VOC fully self-adhered vapor permeable air barrier sheet membrane consisting of nonwoven spunbonded polyester with polyacrylic film and adhesive.

VaproShield: www.vaproshield.com/products/wall-wrb-ab/panelsheild-sa

Substitutions:  See Section 016000 - Product Requirements

* + - 1. Nails or Staples:  Steel wire; electroplated or galvanized; type and size to suit application.
         1. Basis-of-Design Products: Simpson CBT08112 Wafer-Head Screws

Verify screw length requirements with panel thickness

* + - 1. Adhesive:  Refer to panel installation guide.
  1. PART 3  EXECUTION
     1. EXAMINATION
        1. Verify that substrate, adjacent materials, and facade materials are dry and that substrates are ready to receive façade panels.
        2. Verify substrate surfaces are flat, free of irregularities, or materials or substances that may impede adhesive bond.
     2. BOARD INSTALLATION AT EXTERIOR WALLS
        + 1. Refer to panel installation guide.
     3. PROTECTION
        1. Do not permit installed façade panels if damaged.