

**(Specifier Note:** The purpose of this guide specification is to assist the Specifier in correctly specifying vinyl sheet laminates either as panel products or as part of another work result such as architectural casework or running and standing trim.

The Specifier needs to edit this guide specification to fit the needs of each specific project. References have been made within the text of the specification to MasterFormat section numbers and titles. The Specifier needs to coordinate these numbers and titles with sections included for the specific project.

Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Brackets have been used to indicate when a selection is required. Contact ENVIRAWOOD [www.envirawood.com](http://www.envirawood.com) 877-671-7111 for further assistance with appropriate product selections.

Envirawood vinyl sheet laminates can be used as a component in other work results (casework) or they may be an independent work result (paneling) - the specifier needs to identify and incorporate the information of this guide specification appropriately. Section titles and numbers have been provided as suggestions, and should be edited as project specifics dictate. Suitable section numbers and titles may include work results where Envirawood vinyl sheet laminates are used in place of plastic laminate or other veneer products for example **06 41 00 - Architectural Wood Casework; 06 42 00 - Wood Paneling; and 06 46 00 - Wood Trim** other potential titles and numbers may include Division 08 Sections such as **08 14 29 - Prefinished Wood Doors** and Division 09 Sections such as **09 78 00 - Interior Wall Paneling.**)

## SECTION 06 00 01 – VINYL SHEET LAMINATE ENVIRAWOOD

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Vinyl Sheet Laminates for use in [standing and running trim] [architectural casework] [Insert section number and title]

#### 1.2 ACTION SUBMITTALS

- A. Refer to Section [01 33 00 Submittal Procedures] [Insert section number and title].
- B. Product Data: Indicating compliances with requirements
- C. Sustainability Documentation: As required to document product conforms to project criteria.
- D. Shop Drawings: Include plans, elevations, sections, and details
- E. Samples: For each exposed finish.

#### 1.3 CLOSEOUT SUBMITTALS

- A. Refer to Section [01 78 00 Closeout Submittals] [Insert section number and title].
- B. Cleaning Instructions

## PART 2 - PRODUCTS

### 2.1 VINYL SHEET LAMINATE MANUFACTURER

- A. Basis of Design: ENVIRAWOOD; 2015 Woodlands Way, Deerfield Beach, Florida 33442. 877-671-7111
1. Subject to compliance with requirements, manufacturers of products of equivalent design may be acceptable if approved in accordance with **[Section 01 25 00 Substitution Procedures] [Insert section number and title]**.

### 2.2 VINYL SHEET LAMINATE PERFORMANCE CRITERIA

- A. UV Protection: Minimum 1412 hours QUV in accordance with ASTM G154 - Standard Practice for Operating fluorescent Ultraviolet Lamp Apparatus for Exposure of Nonmetallic Materials.

*(Specifier Note: Water absorption, heat deflection and fire rating characteristics of the product may be appropriate for some application but not as critical in others. DELETE requirement for indicated characteristic if not salient to the specific project.)*

*(Specifier Note: Water absorption characteristics are important when materials will be exposed to direct moisture and high humidity.)*

- B. Water Absorption: 0.14 percent in accordance with ASTM D570 Standard Test Method for Water Absorption of Plastics.

*(Specifier Note: Heat deflection characteristics are important when material is used adjacent to high heat sources such ovens.)*

- C. Heat Deflection Temperature: 185 Degrees F in accordance with ASTM D648 - Standard Test Method for Deflection Temperature of Plastics under Flexural Load in the Edgewise Position.

*(Specifier Note: Fire rating is a characteristic that the Building Code may require when materials are used as an interior finish)*

- D. Fire Rating: Class 1/A Fire Rated in accordance with ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials
- E. Specular Gloss Level: 88 Gloss Units at 60 degree angle in accordance with ASTM D523 - Standard Test Method for Specular Gloss and ASTM D2457 - Standard Test Method for Specular gloss of Plastic Films and Solid Plastics
- F. Abrasion Resistance: Wear index of 2.5, using a C-17 wheel and 500 gram weight at 500 cycles, in accordance with ASTM D4060 Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
- G. Diamond Scratch: Rating 1, gloss loss only, no visible scratch marks when using a 1 Newton weight in accordance with NEMA LD3-2005 3.7.3
- H. Ball Impact Resistance: No visible damage or fractures when impacted with 1-1/2 inch diameter steel ball weighing 0.5 pounds from a distance of 15 feet in accordance with NEMA LD 3- 2005 3.8

- I. Dart Impact Resistance: No fractures when impacted with a one ounce standard dart from 5 to 29 inches in accordance with NEMA LD 3-2005 3.9
- J. Low- Emitting Products:
  - 1. TVOC: Equal to or Less than 59 TVOC emission factor when tested in accordance with ASTM D6196 - Standard Practice for Selection of Sorbents, Sampling, and Thermal Desorption Analysis Procedures for Volatile Organic Compound in Air
  - 2. Total Aldehydes: Below quantifiable levels for 24 hour emission factor in accordance with ASTM 5197 - Standard Test Method for Determination of Formaldehyde and other Carbonyl Compounds in Air

## 2.3 VINYL SHEET LAMINATES

*(Specifier Note: Standard vinyl laminate sheets are typically used for applications where other laminated surface products are commonly used. The 21 mil sheet thickness is appropriate for most wall and ceiling applications, use 31 mil products where telegraphing of the core may be a concern.)*

- A. Standard Vinyl Sheet Laminate
  - 1. Sheet Size: 51 inches by 108 inches
  - 2. Thickness: [21] [31] mils

*(Specifier Note: Membrane and Thermoforming sheets are applied to profiled components including moulding and raised panel doors.)*

- B. Membrane and Thermoforming Sheets
  - 1. Sheet Size 57 inches by 108 inches
  - 2. Thickness: [16] [18] mil

*(Specifier Note: PSA backed sheets are used for post-assembled projects, on-site repairs and remodeling.)*

- C. PSA Backed Sheets
  - 1. Sheet Size: 51 inches by 108 inches
  - 2. Thickness: [24] [34] mil

*(Specifier Note: Sheet availability, lead time, and quantity limits are indicated at [www.envirawood.com](http://www.envirawood.com).)*

- D. Patterns
  - 1. [Standard] [Custom] Vinyl Sheet Laminate
    - a. Color: (Refer to website for availability and special order requirements)
    - b. Sheen: [High Gloss] [Satin]
  - 2. Custom Pattern Vinyl Sheet Laminate
    - a. Color: (Refer to website for availability and special order requirements)
    - b. Sheen: [High Gloss] [Satin]

3. Solid Color Vinyl Sheet Laminate
  - a. Color: (Refer to website for availability and special order requirements)
  - b. Sheen: [High Gloss] [Satin]
4. Solid Metallic Color Vinyl Sheet Laminate
  - a. Color: (Refer to website for availability and special order requirements)
  - b. Sheen: [High Gloss] [Satin]

## 2.4 PRE-LAMINATED PANELS

- A. Vinyl Sheet Laminate: As indicated

*(Specifier Note: There are a vast number of options available for the core material; those listed include the most common. Contact EnviraWood for additional options.*

- B. Core Material: [MDF] [Particleboard] [Plywood] [FRP] [aluminum honeycomb] [acrylic panel] [Insert core]

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. [insert project specific installation requirements of vinyl laminate sheet components]

### 3.2 CLEANING

- A. [Remove clear plastic protective film, when applicable, at the project site during final cleaning]
- B. Clean finished surfaces in accordance with vinyl sheet laminate manufacturer recommendations indicated in the fabrication guide.
- C. Replace damaged vinyl laminate [sheet,] [panel,] [component]

### 3.3 PROTECTION

- A. Protect vinyl laminate surface during the remainder of construction.

## END OF SECTION

### **DISCLAIMER:**

*This Guide Specification provided by EnviraWood has been written as an aid to the professionally qualified Specifier and Design Professional. The use of this Guide Specification requires the sole professional judgment and expertise of the qualified Design Professional to adapt the information to the specific needs for the Building Owner and the Project; to coordinate with their Construction Document Process; and to meet all the applicable building codes, regulations and laws. EnviraWood expressly disclaims any warranty, expressed or implied, including the warranty of merchantability or fitness for particular purpose of this product for the project.*