

# **HOW TO SPECIFY ABET LAMINATI HIGH PRESSURE DECORATIVE LAMINATE R605**

## **Section 06067 Plastic and Metal Surfacing Materials**

Note: For additional information, contact:

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## **PART I GENERAL**

### **1.1 PRODUCT DELIVERY AND STORAGE**

Contractor shall supply and install ABET LAMINATI high pressure laminate as shown on drawings and as specified.

High pressure laminates should be stored horizontally with the top sheet face-down and with a protective board on top to protect material from damage and from warping. Stored laminate stock should be rotated such that older sheets will be used first. Laminate sheets should be protected from moisture and should never be stored in contact with the floor or outside wall.

### **1.2 PRECONDITIONING**

Like wood, a high pressure laminate has a grain direction, plus its dimensional behavior with moisture changes is also similar to wood. When humidity changes, the width of the laminate undergoes greater dimensional change than the length (by a ratio of approximately 1.5). As humidity decreases, the laminate sheet contracts, and when the humidity increases, the laminate sheet expands.

High-pressure decorative laminates and the substrate should be allowed to acclimate for at least 48 hours at the same ambient conditions. Optimum conditions are approximately 23 degrees C (73 degrees F) and a relative humidity of 45 % to 55 %. Provision should be made for the circulation of air around the components.

## **PART II PRODUCTS**

### **2.1 HIGH PRESSURE LAMINATE**

The high pressure laminate shall be ABET LAMINATI laminate supplied by ABET Inc. as follows:

Pattern Number \_\_\_\_\_  
Finish Name \_\_\_\_\_

### **2.2 ADHESIVES**

Contact, semi-rigid (PVAc), or rigid (Urea or resorcinol) adhesives have been found satisfactory for bonding decorative high pressure laminates to core materials. The choice of adhesive is based upon the service for which the assembly is intended and upon the bonding facilities available. In all cases, the adhesive manufacturer's instructions for use should be followed closely. Pressures in excess of 45 psi should not be used, since this could cause a starved glue line or telegraphing of the substrate.

### **2.3 SUBSTRATES**

The high pressure decorative laminate should be bonded to a suitable substrate such as medium-density fiberboard (MDF), high-density fiberboard (HDF), or industrial grade (45 lb density or higher) particleboard (CS-236-66: Type 1, Grade B, Class 2). The following materials are not recommended for use: plaster, gypsum board, concrete, and plywood.

### **2.4 BACKING SHEET**

Backer sheets are recommended for use on the back of the panel-assemblies to protect the substrate from humidity changes and to reduce warpage.

## **PART 111 EXECUTION**

### **3.1 INSPECTION**

All laminate surfaces shall be inspected prior to lamination to ensure they are sound, clean, and free of surface defects. Protective peel coat should be removed prior to inspection.

### 3.2 PREPARATION

Surfaces are to be sanded and prepared as required to provide a surface that is smooth, clean, free of oil or grease and uniform in thickness.

### 3.3 INSTALLATION

Material, equipment, and workmanship should conform to industry standard practices, conditions, procedures and recommendations as specified by ANSI/NEMA LD-3-2000 (Latest Revision), Annex A, Application, Fabrication, and Installation (of High Pressure Decorative Laminates); Architectural Woodwork Quality Standards (AWI); and DLPA and ANSI 161.2-1979 Standards

#### SHORT FORM:

High pressure laminate surface material shall meet or exceed ANSI/NEMA LD-3- 2000 Standard for High-Pressure Decorative Laminates

Surface shall be ABET LAMINATI Decorative High Pressure Laminate supplied by Abet Inc., Englewood, N. J.

Type: 0.9 mm thick postforming high pressure decorative laminate

Surface:  
Color/Pattern Number: \_\_\_\_\_

Finish:  
Finish Name: \_\_\_\_\_