

SECTION 06 1123 - LAMINATING ADHESIVES**PART 1 - GENERAL****1.1 SECTION INCLUDES**

- A. Shop and field applied contact adhesives for postforming and non-postforming laminate applications.
- B. Cold press PVA applications.
- C. Hot press PVA applications.
- D. Pinch roller/postforming PVA applications.

1.2 RELATED REQUIREMENTS

- A. Division 06: Wood Plastics and Composites (Interior Architectural Woodwork, Finish Carpentry, Architectural Wood Casework, Wood Paneling).
- B. Division 08: Interior Doors.
- C. Division 10: Interior Specialties (Toilet Partitions).
- D. Division 12: Furnishings (Laminate Clad Casework, Specialty Casework, Residential Casework, or Office, Retail, Hospitality, Institutional Furniture).

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 3000.
- B. Product Data: Submit manufacturer's technical data sheet for specified products, including literature for High Pressure Decorative Laminate, adhesive for bonding plastic laminate, and substrate information as related.
- C. Shop Drawings: Submit showing layout, profiles and product components, including edge conditions, panel joints, accessories, designs and textures.
- D. Manufacturer's installation and application instructions.
- E. Certificates: Submit the following:
 - 1. GREENGUARD Children & Schools.
 - 2. GREENGUARD Indoor Air Quality.
- F. Quality Assurance Submittals:
 - 1. Submit certified test reports showing compliance with specified performance characteristics and physical properties if required.
 - 2. Manufacturer's Safety Data Sheets (MSDS).

1.4 REGULATORY REQUIREMENTS

- A. SCAQMD (South Coast Air Quality Management District), Rule 1168 – Adhesive and Sealant Applications.
- B. California Air District Regulations.
- C. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

1.5 QUALITY ASSURANCE

- A. Certification:
 - 1. GREENGUARD Children & Schools Certified.
 - 2. GREENGUARD Indoor Air Quality Certified.
- B. LEED rating system potential credits:
 - 1. LEED-NC and LEED-CI IEQ Credits 3.2.
 - 2. LEED-NC and LEED-CI IEQ Credits 4.1.
 - 3. LEED-NC and LEED-CI IEQ Credits 4.4.
 - 4. LEED-NC and LEED-CI IEQ Credits 4.5.
 - 5. Refer to specific adhesive data sheet for available credits.

1.6 DELIVERY, STORAGE & HANDLING

- A. Comply with Division 01 Product Requirements Sections.
- B. Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.

1.7 PROJECT CONDITIONS

- A. For best results, do not apply adhesives at temperatures below 65°F.

PART 2 - PRODUCTS
2.1 MANUFACTURERS

- A. Adhesives:
1. Wilsonart Adhesives, a division of Wilsonart International, Inc., 10601 NW H.K. Dodgen Loop, Temple, TX 76504, (800) 433-3222, WilsonartAdhesives.com.
 2. Or equal.

Edit Note:	
Applications	Applicable Wilsonart Adhesives
Contact	1730/1, H ₂ O
Contact Canister	730/1
PVA - Cold Press	3100, 3105, 3116
PVA – Hot Press	3131, 3132
PVA – Pinch/Postforming	3000, 3001

2.2 CONTACT ADHESIVES

- A. Non-postforming:
1. 1730/1731 Low VOC Contact Adhesive.
 2. 730/731 Contact Adhesive, low VOC canister.
- B. Postforming:
1. H₂O Contact Adhesive, water-based.
- C. Water-resistant, non-staining bond for common High Pressure Laminate (HPL) applications.
- D. Limitations: Avoid contact with copper. Avoid vinyl surfaces containing plasticizers.

2.3 COLD PRESS PVA ADHESIVES

- A. 3100 PVA Adhesive
1. For bonding decorative laminate to wood products.
- B. 3105 PVA Adhesive
1. High solids, for bonding decorative laminate to wood products.
- C. 3116 PVA Adhesive
1. For bonding decorative laminate to wood products and bonding paper-backed products.
- D. Limitations:
1. Avoid tempered hardboard, fire retardant treated materials, moisture resistant treated materials, low pressure melamine, metallic, polyester, and painted surfaces, wheatboard, and strawboard.

2.4 HOT PRESS PVA ADHESIVES

- A. 3131 PVA Adhesive
1. High solids for bonding decorative laminates to wood products.
- B. 3132 PVA Adhesive
1. High solids for bonding decorative laminates to wood products.
- C. Limitations:
1. Avoid tempered hardboard, fire retardant treated materials, moisture resistant treated materials, low pressure melamine, metallic, polyester, and painted surfaces, wheatboard, and strawboard.

2.5 POSTFORMING AND PINCH ROLLING PVA ADHESIVES

- A. 3000/3001 PVA Adhesive
1. High solids for bonding decorative laminate to wood products and postforming applications.

- B. Limitations:
1. Avoid tempered hardboard, fire retardant treated materials, moisture resistant treated materials, low pressure melamine, metallic, polyester, and painted surfaces, liner grade laminate to wood.

Edit Note: Refer to Tech Data sheet for specific application equipment requirements and modify article as necessary, WilsonartAdhesives.com.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Surfaces to be bonded should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.

3.2 PREPARATION

- A. Allow substrates to acclimate to room temperature for 48 hours before bonding.
B. Precondition surfacing materials and surfaces to receive surfacing materials in accordance with manufacturer's printed installation instructions.
C. Moisture from condensation must be dried prior to bonding.

Edit Note: Select either 3.3, 3.4, 3.5 or all application articles to match project requirements. Make certain to review product technical literature to add any project specific requirements, WilsonartAdhesives.com.

3.3 SPRAY APPLICATIONS

- A. Comply with adhesive manufacturer's printed installation instructions.
B. Use only approved equipment.

3.4 GLUE SPREADER APPLICATIONS

- A. Comply with adhesive manufacturer's printed installation instructions.

3.5 HAND APPLICATIONS

- A. Comply with adhesive manufacturer's printed installation instructions.

3.6 CLEANING AND PROTECTION

- A. Clean bonded surfaces in accordance with manufacturer's care and maintenance instructions. Use manufacturer recommended solvents.
B. Protect installed product and finish surfaces from damage during fabrication and construction.

END OF SECTION 06 1123