

WOOD AND PLASTICS

PART 1 – GENERAL

- 1.01 **Summary:** This section describes University specific requirements for the use of woods and plastics. It includes the use of pressure treated lumber and plastic surfaces.
- 1.02 **Related Work:** Related work located elsewhere includes: wood and plastic finishes specified in Division 9 and toilet partitions specified in Division 10.
- 1.03 **Use of wood materials:** Lightweight structural wood framing is discouraged and shall not be permitted without Facilities Project Manager approval. Exterior plywood sheathing should be utilized only with prior approval. Wood blocking and curbs should be limited to the extents possible.
- 1.04 **Use of plastic materials:** Solid plastic materials are preferred, in lieu of, plastic laminates.
- 1.05 **Quality Assurance:**
- A. For wood products, comply with applicable standards as set forth by:
- APA – American Plywood Association
 - SPA – Southern Pine Association
 - SPIB – Southern Pine Inspection Bureau (grading rules)
 - NLMA – National Lumber Manufacturer’s Association
 - AWPA – American Wood Preserver’s Association
 - WWPA – Western Wood Products Association
 - UL – Underwriter’s Laboratories, Inc.
 - ASTM – American Society for Testing and Materials
 - U.S. Forestry Products Council
 - U.S. Forest Stewardship Council
 - AWI – American Woodworking Institute
 - NFPA 101, flame-spread requirements
- B. For plastics, comply with:
- NEMA LD3 – National Electrical Manufacturer’s Assoc. Standards for high pressure decorative laminates
 - ASTM requirements
 - NFPA 101, flame-spread requirements

- ISSFA-2 – International Solid Surface Fabricators Assoc.
- C. For adhesives, provide low-VOC products compliant with:
- USGBC LEED requirements for indoor air quality.

PART 2 – MATERIALS

- 2.01 **Wood Blocking and Curbing:** Provide pressure treated lumber for all lumber in contact with concrete, masonry, or steel. Wolmanizing process is considered best of the treatments for lumber in buildings. Boliden salts may be used if pressure treatment of 100/150 psi is used.
- 2.02 **Solid Plastic Countertop:** Solid plastic countertops are preferred.
- 2.02 **Plastic Laminate:** Provide chemical resistance if required. Provide backing sheet as recommended by laminate manufacturer. Meet flame spread requirements of NFPA 101 for interior finish consistent with the occupancy classification.

PART 3 – EXECUTION

- 3.01 All wood shall be back painted.
- 3.02 Wood handrails are discouraged due to difficult maintenance. If utilized, wood handrails shall return to walls and/or newel-posts. Wood handrails will not be approved for exterior use.
- 3.02 **Restroom countertops:** Provide solid plastic countertops with seamless surface and backsplash minimum 4” high. Color shall be light to medium shade smooth material.

END OF SECTION