

Performance Standards

The K-12 school environment requires special needs for equipment and furnishings. These items must be strong and sturdy to last many decades. Manufacturers must specialize in these areas to meet the broad age range of students. Safety of their products is essential and they must meet standards, codes, and accessibility guidelines.

With casework, environmentally preferable product alternates should be utilized, such as oriented strand board and recycled plastic. Equipment and furnishings must be as maintenance-free as possible and easily cleaned.

Examples

1. Theater and stage equipment
2. Projection screens
3. Athletic equipment
4. Educational casework
5. Science casework
6. Telescoping bleachers

**THEATER, STAGE AND ATHLETIC EQUIPMENT
AND PROJECTION SCREENS**

Components

1. Theater and stage equipment
2. Projection screens
3. Athletic equipment

Standards

1. **Material: woven velour fabric.**
2. **Fabrics shall be flame resistant.**
3. **Curtain tracks as recommended by manufacturer**
4. **Stage rigging and fire curtain systems shall meet all fire and life-safety codes and OSHA safety requirements.**

Guidelines

1. Theater-electrically operated projection screen: 3 position control switch with metal device box for flush wall mounting and for connection to 120v, AC power supply; screen same as manual screen
2. Manual, front projection screen: matte white, vinyl coated glass fiber fabric complying with FSGG-5-00172D for Type A screen surface; 80 inches by 60 inches in classrooms
3. Athletic equipment to comply with National Federation of State High School Associations
4. Basketball backboards: 72 inch by 42 inch, ½ inch thick transparent, tempered glass
5. Wall-mounted safety pads: 14 ounce PVC coated polyester or nylon reinforced PVC fabric; pad cover over 2 inches, 6 lb. density polyurethane over composite panel

EDUCATIONAL CASEWORK AND BLEACHERS

Components

1. Educational casework
2. Science casework
3. Telescoping bleachers

Standards

1. **Casework shall conform to ADAGG guidelines and state and local regulations**
2. **Countertops shall not deflect more than ¼ inch when a 100 lb. /ft. load is applied**
3. **Shelving shall be capable of supporting 25 lbs./sq.ft.**
4. **Countertops shall be .048 inch thick plastic laminate conforming to NEAM HG5.**
5. **Exposed surfaces shall be .028 inches thick plastic laminate conforming to NEMA NG5.**
6. **Hardware: conform to ADAAG; standard finish, commercial quality, heavy duty**
7. **Provide five (5) (1) year warranty on casework**
8. **Lab casework: solid wood and plain sliced veneer plywood, or high pressure plastic laminate NEMA LD3**
9. **Countertops: 1 inch thick, epoxy resin and cast epoxy resin sinks**
10. **Locks: cylinder type, 5 disk tumbler mechanism**
11. **Hinges: 5 knuckle with hospital tips, .090 inch steel, 270 degree swing complying with BHMA 156.9, Grade 1**
12. **Telescoping bleachers shall comply with NFPA 102, Chapter 5, "Folding and Telescopic Seating"**
13. **Provide five (5) year warranty for bleachers**

Guidelines

1. Recycled/recyclable
2. Formaldehyde free
3. Local materials (within 500 miles)
4. Low VOC
5. Molded polyethylene plastic seats