

SECTION 11 48 60

GYMNASIUM PROTECTION ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes: [Wall mounted protection pads] suitable for gymnasium installations.

1.2 SUBMITTALS

- A. Submit in accordance with Section 01 33 23 - Submittal Procedures:
 - 1. List of proposed products and product data.
 - 2. Shop drawings showing elevations, dimensions, fabrication details, and method of attachment.
 - 3. Samples of protection pad cover fabrics [for selection by Architect].
 - 4. Manufacturer's installation [and maintenance] instructions.

PARTS 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Draper, Inc., 411 South Pearl Street, Spiceland, Indiana 47385-0425; 765-987-7999 or equivalent.

2.2 GREENGUARD FOR CHILDREN AND SCHOOLS CERTIFIED, CLASS A FLAME RETARDANT WALL PROTECTION PADS

- A. Type: GREENGUARD for Children and Schools certified, Class A Flame Retardant fabric covered foam wall protection pads; Wall Pads as manufactured by Draper Shade and Screen Company, Inc.
- B. Pad shape and size: see drawing A-101
- C. Cushioning material: [2 inches] [50 mm] thick, flame retardant open cell neoprene foam with [6 pounds] [2722 grams] density.
- D. [Backer: [[7/16 inch] [10 mm] urea-formaldehyde free Oriented Strand Board.] [Pads that wrap around columns or are curved shall be provided without solid backer.]
- E. Cover: Solid vinyl coated polyester fabric with embossed pattern:
 - 1. Weight: 14 ounces per SY.

2. Breaking strength: 350 PSI.
 3. Tear resistance: 65 pounds.
 4. Resistant to rot, mildew, and ultraviolet light.
 5. Flammability: Rated self extinguishing in accordance with California State Fire Code F-230.
 6. Color: [White] [Red] [Yellow] [Dark blue] [Marine blue] [Beige] [Grey] [Black] [Forest green] [Kelly green] [Brown] [Orange] [Maroon] [Purple] [Selected by Architect from manufacturer's standard range.]
- F. GREENGUARD Certification: Entire wall pad assembly shall have been submitted to indoor air quality evaluation (IAQ) using a GREENGUARD product evaluation protocol following the requirements of The GREENGUARD Environmental Institutes (GEI) Product Certification Program, ASTM Standard D5116 and the United States Environmental Protection Agency and modeled based on GEI requirements for a standard gymnasium loading and ASHRAE 62.1 - 2004 ventilation conditions. Pad assembly shall qualify as low emitting and found to meet all of the requirements of the GREENGUARD for Children and Schools and GREENGUARD certification program which are emissions of total volatile organic compounds < 0.22 mg/m³, formaldehyde < 0.0135 ppm, total aldehydes < 0.043 ppm, individual volatile organic compounds < 1/1000 TLV and < ½ chronic REL and total phthalates < 0.01 mg/m³. Manufacturer must be able to provide independent lab and test reports to verify compliance.
- G. Fire Rating: Entire pad assembly has been tested and meets the requirements of NFPA 101 Life Safety Code for class A rating (flame spread 0-25 and smoke development 0-450) when tested in accordance with ASTM E-84 (also published as NFPA-255, ANSI 2.5, UBC 8-1 (42-1) and UL 723). Entire pad assembly has been tested and meets the criteria set forth in the 2003 IBC section 803.2.1 when tested in accordance with NFPA 286. NFPA 286 does not publish pass/fail criteria.
- H. ASTM: Pads shall meet all requirements of ASTM 2440-04. Manufacturer must be able to provide independent lab and test reports to verify compliance.
- I. Construction: Cushioning material adhered to backer [with liner positioned on top of foam] and panel fully wrapped with fabric which is stapled to backer such that backer is not exposed on front or sides.
- G. Provide [1 inch] [25 mm] wide fabric flanges at panel bottom [and top] and [Z clips at top] [Z clips at bottom and top] [channel system] for wall mounting panels.
- H. Attachment: Provide pads without solid backing with [hook and loop strips at top of pad] [Z mounting clips top and bottom].

2.4 GRAPHIC WALL PROTECTION PADS

- A. Type: Fabric covered foam wall protection pads with graphics; Graphic Wall Pads as manufactured by Draper Shade and Screen Company, Inc.
- B. Pad shape and size: Flat, rectangular pads: [[24 by 72 inches.] [610 by 1828 mm.]] [[24 x 60 inches.] [610 by 1524 mm.]] [[24 x 84 inches.] [610 by 2134 mm.]] [[24 x 96 inches.] [610 by 2438 mm.]]
- C. Cushioning material: [[2] inches] [50 mm]] thick polyurethane filler with [[6 pounds] [2722 grams] density.
- D. Backer: [7/16 inch] [10 mm] Wafer Board.
- E. Cover: Solid vinyl coated polyester fabric with embossed pattern:
 - 1. Weight: 14 ounces per SY.
 - 2. Breaking strength: 350 PSI.
 - 3. Tear resistance: 65 pounds.
 - 4. Resistant to rot, mildew, and ultraviolet light.
 - 5. Rated as self-extinguishing in accordance with California State Fire Code F-230 and Class A Rated in accordance with requirements of NFPA-101.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Field verify dimensions prior to fabrication.
- B. Coordinate fabrication of wall protection pads with size and location of switches, electrical outlets, and other wall mounted items; structural framing and bracing projecting from wall surface; and door and other wall openings.
- C. For pads placed around structural columns coordinate required shapes and sizes with actual dimensions of structural members.
- D. Coordinate installation of scoreboard protector with size and placement of scoreboard.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's written instructions and shop drawings.
- B. Protection mats:
 - 1. Mount protection pads [[4 inches] [102 mm] [_____] inches above] [flush with] finished floor.

2. Secure to wall with fasteners along [top and bottom]
[bottom and Z clips along top]. Type, size and spacing of
fasteners as recommended by manufacturer.
 3. Neatly make cutouts for switches, electrical outlets, and
other items on wall and seal with matching vinyl fabric.
- C. Clock protector: Center horizontally and vertically on clock
and securely attach to wall with type of fastener recommended
by manufacturer.
- D. Scoreboard protector: Suspend with cables attached to building
structure so that protector is [36 inches] [914 mm] in front
of scoreboard. Center protector horizontally and vertically on
scoreboard. Ensure protector hangs level.

END OF SECTION