

Section 11195

SAFETY PADDING

PART 1 – GENERAL CONDITIONS

1.1 Scope

- (A) Provide all labor and material required to furnish and install protection padding (walls, floors, doors, frames and ceilings) in safety cells, seclusion rooms, and time-out rooms as indicated in drawings and specified herein
- (B) Submit typical shop drawings showing details, thickness of materials and typical requirements.
- (C) Submit three (3) samples – minimum of 3"x3" in size – for approval and acceptance of protective padding system for use in safety cells, seclusion rooms and time-out rooms.
- (D) Submit two (2) copies of the manufacturer's maintenance instructions

1.2 Guarantees

- (A) Protective Padding Contractor shall agree to repair or replace any defective material or work for a period of one (1) year from the date of project completion. This guarantee shall also include any loss of adhesion, resiliency or delaminating. This guarantee does not cover the damage caused by sharp or burning objects. Guarantee for this work shall be signed by both the Sub-Contractor and the General Contractor

1.3 Qualifications

- (A) Because of the special nature of the work specified within this section, persons, firms or corporations desiring to bid on this section of work must meet the following requirements:
 - (1) Have a minimum of five (5) years experience in the fabrication and installation of protective padding or work similar to that which is described herein.
 - (2) Have ten (10) successful installations of protective padding

PART 2 – MATERIALS AND PRODUCTS

2.1 General

- (A) Protective padding material shall be a synthetic resinous material. Substitutions of a closed cell polyvinyl chloride or other types of polyvinyl chloride surfacing

material will not be permitted. Protective padding meeting the following requirements and approved for use is Gold Medal Safety Padding as manufactured by Marathon Engineering Corporation, 5615 2nd Street West, Lehigh Acres, FL (239) 303-7378, www.goldmedalsafetypadding.com

- (B) All vertical panels shall be prefabricated. The panels are to be 1" nominal thickness Gold Medal Safety Padding bonded on Oriented Strand Board 7/16" thickness, making the wall panels a total of 1-1/2" thick.
- (C) The door jambs shall be 1/2" thickness Gold Medal Safety Padding with a durometer of 60 plus or minus 5, for a total of 1" thickness on door jambs.
- (D) All floor panels shall be prefabricated. The panels are to be 3/4" Gold Medal Safety Padding bonded on Oriented Strand Board 7/16" thickness, for a nominal thickness of 1-1/4"

2.2 Properties

- (A) In addition to meeting the minimum physical properties when cured, protective padding must contain a flame spread and smoke index which when tested in accordance with ASTM E84 is given a CLASS A FIRE RATING.
 - (1) Flame Spread: 20
 - (2) Smoke Development: ≤ 450
- (B) Padding must also conform to the following criteria.
 - (1) Weight is approximately 5 pounds per square foot
 - (2) Tensile strength range 300 P.S.I. minimum ASTM D412
 - (3) Temperature stability – unaffected from 20 degrees F to 120 degrees F
 - (4) Moisture absorption 0.8% to 1.05% by weight
 - (5) Compression set 90% recovery after 72 hours
 - (6) Compression properties 30 PSI to 70 PSI at 50% modulus
 - (7) Elongation at break 150% typical ASTM D412
 - (8) Fungus resistance complete
- (C) Fasteners for use in security vertical panels shall be recommended by manufacturer.

PART 3 - EXECUTION

3.1 Installation of Protective Padding

- (A) Inspect surface(s) to receive work under this section. Notify the architect in writing if surface(s) is not satisfactory for application of materials. Commencement of work constitutes acceptance of surface.
 - (1) All concrete surfaces must have a sixty-day (60) cure. No bonding agent or curing agent will be allowed.
- (B) All vertical panels will be mechanically fastened to walls
- (C) A minimum of sixteen (16) fasteners per 4' x 8' panel. The installers are totally responsible for panel installation of Gold Medal Safety Padding
- (D) A gap of $1/8'' \pm 1/16''$ will be left between panels. They will then be filled with Gold Medal Compound. When fully cured, it will be sanded to meet adjacent edges.
- (E) All fastener holes will be filled with Gold Medal Compound and sanded. Upon completion of all sanding of walls, doors, ceiling and floor, all surfaces will receive a Gold Medal topcoat.

3.2 Precautions

- (A) The following conditions are required for the installation and storage of materials.
 - (1) General Contractor or owner shall provide adequate storage of materials
 - (2) A minimum temperature of 65 degrees F shall be maintained for the duration of the installation.
 - (3) The General Contractor shall provide 120-volt electrical service, storage in a safe, warm and dry area, hoisting equipment and refuse receptacle

END OF SECTION