

SECTION 10 26 00
WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies corner guards.

1.2 RELATED WORK

- A. Armor plates and kick plates not specified in this section: Section 08 71 00, DOOR HARDWARE.

1.3 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings: Show design and installation details.
- C. Manufacturer's Literature and Data:
 - 1. Corner Guards.
- D. Test Report: Showing that resilient material complies with specified fire and safety code requirements.

1.4 DELIVERY AND STORAGE

- A. Deliver materials to the site in original sealed packages or containers marked with the name and brand, or trademark of the manufacturer.
- B. Protect from damage from handling and construction operations before, during and after installation.
- C. Store in a dry environment of approximately 21° C (70 degrees F) for at least 48 hours prior to installation.

1.5 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to extent referenced. Publications are referenced in text by basic designation only.
- B. American Society for Testing and Materials (ASTM):
 - B221-07Aluminum and Aluminum-Alloy Extruded Bars,
Rods, Wire, Shapes, and Tubes
 - D256-06Impact Resistance of Plastics
 - D635-06Rate of Burning and/or Extent and Time of
Burning of Self-Supporting Plastics in a
Horizontal Position
 - E84-07Surface Burning Characteristics of Building
Materials
- C. The National Association of Architectural Metal Manufacturers (NAAMM):

AMP 500 SeriesMetal Finishes Manual

D. National Fire Protection Association (NFPA):

E. Society of American Automotive Engineers (SAE):

J 1545-05Instrumental Color Difference Measurement for
Exterior Finishes.

F. Underwriters Laboratories Inc. (UL):

Annual IssueBuilding Materials Directory

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stainless Steel: ASTM A167, Type 302B.

B. Aluminum Extruded: ASTM B221, Alloy 6063, Temper T5 or T6.

C. Resilient Material:

1. Extruded and injection molded acrylic vinyl or extruded polyvinyl
chloride meeting following requirements:

a. Minimum impact resistance of 1197 ps (25 ft lbs per sq.ft) when
tested in accordance with ASTM D256 (Izod impact, ft.lbs. per
inch notch).

b. Class 1 fire rating when tested in accordance with ASTM E84,
having a maximum flame spread of 25 and a smoke developed rating
of 450 or less.

c. Rated self extinguishing when tested in accordance with ASTM
D635.

d. Material shall be labeled and tested by Underwriters Laboratories
or other approved independent testing laboratory.

e. Integral color with all colored components matched in accordance
with SAE J 1545 to within plus or minus 1.0 on the CIE-LCH
scales.

f. Same finish on exposed surfaces.

2.2 CORNER GUARDS

A. Resilient, Shock-Absorbing Corner Guards: Surface mounted type of 30
mm (1-1/4 inch radius) formed to profile shown; from top of base to
ceiling.

1. Snap-on corner guard formed from resilient material, minimum 2 mm
(0.078-inch) thick. Provide appropriate mounting hardware, cushions
and base plates as required.

2. Retainer: Continuous PVC, recycled vinyl/acrylic compound, or
recycled PETG retainer. Aluminum retainers will not be permitted.

3. Provide factory fabricated end closure caps at top and bottom of surface mounted corner guards.

4. Dimensions:

a. Type 1: 2" x 2" x 4'-0"

b. Type 2: 3" x 3" x 8'-0"

B. Stainless Steel Corner Guards: Fabricate of 1.6 mm (0.0625 inch) thick stainless steel; NAAMM finish Number 4. Form guards of dimensions and to contour as shown on Drawings.

2.3 SQUARE EDGE WALL PANEL

A. Fabricate from vinyl acrylic or polyvinyl chloride resilient material minimum 0.040 inch thick factory bonded to the face side of a 3/8" (9.53mm) thick particle board core with no added urea formaldehyde.

B. Laminate panel backside a moisture resistant sheet for balanced construction.

C. Provide low or no VOC adhesive as recommended by wall panel manufacturer.

2.4 FASTENERS AND ANCHORS

A. Provide fasteners and anchors as required for each specific type of installation.

B. Where type, size, spacing or method of fastening is not shown or specified, submit shop drawings showing proposed installation details.

2.5 FINISH

A. In accordance with NAAMM AMP 500 series.

B. Concealed aluminum: Mill finish as fabricated, uniform in color and free from surface blemishes.

C. Resilient Material: Embossed texture and color in accordance with SAE J 1545.

PART 3 - INSTALLATION

3.1 RESILIENT CORNER GUARDS

Install corner guards on walls in accordance with manufacturer's instructions.

3.2 STAINLESS STEEL CORNER GUARDS

A. Mount guards on external corners of interior walls, partitions and columns as shown.

B. Where corner guards are installed on walls, partitions or columns finished with plaster or ceramic tile. Provide continuous 16 gage perforated, galvanized Z-shape steel anchors welded to back edges of corner guards and wired to metal studs. Coat back surfaces of corner

guards, where shown, with a non-flammable, sound deadening material. Corner guards shall overlap finish plaster surfaces.

1. Where corner guards are installed on gypsum board, clean surface and anchor guards with a neoprene solvent-type contact adhesive specifically manufactured for use on gypsum board construction. Remove excess adhesive from around edge of guard and allow curing undisturbed for 24 hours.

3.3 SQUARE EDGE WALL PANEL

- A. Surfaces to receive protection shall be clean, smooth and free of obstructions.
- B. Apply with adhesive in controlled environment according to manufacturer's recommendations.

- - - E N D - - -