

**SECTION 10 26 00  
WALL PROTECTION**

**PART 1 - GENERAL**

**1.01 DESCRIPTION**

- A. This section specifies corner guards.

**1.02 RELATED WORK**

- A. Kick plates not specified in this section: Section 08 71 00, DOOR HARDWARE.
- B. Color and texture of aluminum and resilient material: Section 09 06 00, SCHEDULE FOR FINISHES.

**1.03 QUALITY ASSURANCE**

- A. Fire Performance Characteristics: Products shall be tested per ASTM E84 and shall be classified as Class A or I products with a flame spread rating of 25 or less and a smoke developed rating of 450 or less.

**1.04 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.
  - 2. Manufacturer's standard colors for selection of colors.
- D. Samples: Two (2) 12-inch long samples of each item specified, including end caps and mounting hardware.
- E. Test Report: Showing that resilient material complies with specified fire and safety code requirements.

**1.05 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.

**1.06 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):
  - A167-99(R2004)..... Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
  - B221-14..... Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes
  - D256-10 ..... Impact Resistance of Plastics
  - D635-10 ..... Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
  - E84-14..... Surface Burning Characteristics of Building Materials
- C. The National Association of Architectural Metal Manufacturers (NAAMM):
  - AMP 500 Series ..... Metal Finishes Manual
- D. Society of American Automotive Engineers (SAE):
  - J 1545-05 ..... Instrumental Color Difference Measurement for Exterior Finishes.
- E. Underwriters Laboratories Inc. (UL):
  - Annual Issue ..... Building Materials Directory

## PART 2 - PRODUCTS

### 2.01 MATERIALS

- A. Aluminum Extruded: ASTM B221, Alloy 6063, Temper T5 or T6.
- B. Resilient Material:
  - 1. Extruded and injection molded acrylic vinyl or extruded polyvinyl chloride meeting following requirements:
    - a. Thickness: 1.52 mm (0.060-inch) thick minimum.
    - b. 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).
    - c. 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.
    - d. Rated self extinguishing when tested in accordance with ASTM D635.
    - e. Material shall be labeled and tested by Underwriters Laboratories or other approved independent testing laboratory.
    - f. 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.
    - g. Same finish on exposed surfaces.

### 2.02 CORNER GUARDS

- A. Resilient, Shock-Absorbing Corner Guards:
  - 1. Corner Guard: Flush mounted type of 6 mm (1/4 inch radius corner), formed to profile shown.
  - 2. Snap-on corner guard formed from resilient material, minimum 2 mm (0.078-inch) thick, free floating on a continuous 1.8 mm (0.070-inch) thick extruded aluminum retainer. Provide appropriate mounting hardware, cushions and base plates as required.
  - 3. Provide factory fabricated end closure caps at top and bottom of surface

mounted corner guards.

### **2.03 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.

### **2.04 FINISH**

- A. In accordance with NAAMM AMP 500 series.
- B. Aluminum:
  - 1. 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 and as specified in Section 09 06 00, SCHEDULE FOR FINISHES.

## **PART 3 - INSTALLATION**

### **3.01 INSPECTION**

- A. After finish painting of partitions is complete, examine areas and conditions under which corner guards are to be installed to verify surfaces are ready to receive Work of this Section.

### **3.02 INSTALLATION**

- A. Install corner guards in accordance with manufacturer's written instructions and as shown.
- B. Install retainers with fasteners approved by the manufacturer to suit substrate conditions and to provide secure anchorage.
- C. Install the Work straight, plumb, and level, with tight joints and no distortions. Scribe and cut Work to fit adjoining Work, and refinish or repair damaged surfaces at cuts.
- D. Resilient Corner Guards:
  - 1. Install corner guards on wall corners as shown.

### **3.03 ADJUSTMENT AND CLEANING**

- A. Prior to final acceptance, strip corner guards and end caps of protective coverings and clean in accordance with manufacturer's instructions.
- B. Remove and replace any defective, misaligned, or damaged units, at no additional expense to the Government.

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