

PART 1 - GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

THE ALUMINUM ASSOCIATION, INCORPORATED (AA)

AA 45 (1980) Aluminum Finishes

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A 167 (1996) Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip

ASTM B 221M (1996) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)

ASTM B 221 (1996) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

ASTM D 256 (1997) Determining the Pendulum Impact Resistance of Plastics

ASTM D 635 (1997) Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position

ASTM E 84 (1998) Surface Burning Characteristics of Building Materials

ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD (ATBCB)

ATBCB ADA TITLE III (1990) Americans with Disabilities Act Buildings and Facilities

NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM)

NAAMM MFM (1988) Metal Finishes Manual

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (SAE)

SAE J 1545 (1986) Instrumental Color Difference Measurement for Exterior Finishes, Textiles and Colored Trim

1.2 SUBMITTALS

Submit the following in accordance with Section 01330, "Submittal Procedures.

1.2.1 SD-03, Product Data

- a. Corner guards

1.2.2 SD-04, Samples

- a. Color coating

Submit color chart of factory color coatings.

1.3 DELIVERY AND STORAGE

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

PART 2 - PRODUCTS

2.1 MATERIALS

2.1.1 Resilient Material

Extruded and injection molded rubber meeting following requirements.

2.1.2 Minimum Impact Resistance

ASTM D 256, 18 foot/pounds (Izod impact, foot/pounds per inch notch).

2.1.3 Class 1 Fire Rating

ASTM E 84, maximum flame spread rating of 25 and a smoke developed rating of 450 or less.

2.1.4 Self Extinguishing

ASTM D 635, rated self extinguishing. Material shall be tested and labeled by Underwriters Laboratories or other approved independent testing laboratory.

2.1.5 Integral Color

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.

2.1.6 Finish

Similar on all exposed surfaces.

2.2 CORNER GUARDS

2.2.1 Resilient, Shock-Absorbing Corner Guards

Flush mounted type of 1/4 inch corner formed to profile shown.

2.2.1.1 Assembly

Assembly shall consist of a snap-on corner guard formed from resilient material, minimum 0.078 inch thick, free floating on a continuous 0.063 inch thick extruded aluminum retainer. Provide appropriate mounting hardware, cushions and base plates as required.

2.2.1.2 End Closure Caps

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

2.3 FASTENERS AND ANCHORS

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

2.3.1 Resilient Material

Embossed texture and color in accordance with SAE J 1545 and as otherwise specified.

PART 3 - EXECUTION

3.1 RESILIENT CORNER GUARDS

Install resilient corner guards on walls in accordance with manufacturer's printed details and instructions.

END OF SECTION