

SECTION 10262 – WALL SURFACE PROTECTION SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Corner guard systems.

1.02 RELATED SECTIONS

A. Section 06100 - Rough Carpentry: For wood blocking backup in gypsum wallboard partitions.

B. Section 09250 - Gypsum Wallboard: For light gauge metal framing and backup.

1.03 REFERENCES

A. Aluminum Association (AA).

B. American Iron and Steel Institute (AISI).

C. American Society for Testing and Materials (ASTM).

1. ASTM A 167-93 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
2. ASTM B 221-93 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
3. ASTM D 635-91 Test Method for Surface Irregularities of Flat Transparent Plastic Sheet.
4. ASTM D 4226-85(1990) Test Method for Impact Resistance of Rigid Poly (Vinyl Chloride) (PVC) Building Products.
5. ASTM E 84-94 Test Method for Surface Burning Characteristics of Building Materials.
6. ASTM E 119-88 Method for Fire Tests of Building Construction and Materials.

D. Title III of "The Americans with Disabilities Act" 1990 (ADA), Department of Justice.

E. National Fire Protection Association (NFPA).

F. Underwriters Laboratories (UL).

1.04 SYSTEM DESCRIPTION

A. Performance Requirements (High impact vinyl handrail, bumper guard, crash rail, and corner guard systems)

1. Fire Performance Characteristics

- a. Provide wall protection system components which are identical to those tested in accordance with ASTM E 84, NFPA 255, and UL 723 for the fire performance characteristics specified herein.

- 1) Flame Spread: 25 or less.
- 2) Smoke Developed: 450 or less.

b. Provide wall protection system components which have been determined to be self-extinguishing in accordance with ASTM D 635.

2. Impact Resistance: Provide wall protection system with a minimum impact resistance of 1.2 inch-pounds per 0.001 inch of thickness when tested in accordance with ASTM D4226.

1.05 SUBMITTALS

A. Submit the following in accordance with Section 01300:

1. Product Data: Manufacturer's product specifications, installation and maintenance instructions.
2. Shop Drawings: Show locations, extent, and installation details of each system including method of attachment and adjacent construction.
3. Samples for Selection Purposes: Actual sections of vinyl acrylic components in a convenient but representative size showing full range of colors, textures, and patterns available, for each type of wall protection system specified.
4. Samples for Verification Purposes
 - a. Not less than 12 inch (300mm) length of each vinyl acrylic wall protection system component including corners and end caps in selected colors, textures and patterns.
 - b. Not less than 6 inch (150mm) square piece of each rigid sheet or panel type wall protection material in selected colors, textures and patterns.
5. Maintenance Instructions: Manufacturer's instructions for maintenance of installed work.

1.06 QUALITY ASSURANCE

A. Single Source Responsibility: Furnish all wall protection system components from a single source.

B. Manufacturer: A firm regularly engaged in the manufacture of wall protection system components similar to those specified.

C. Installer: A firm with at least 3 years of successful experience in the installation of wall protection systems similar to those specified.

1.07 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in manufacturer's unopened packages properly labeled for identification and for location in the Project. Comply with manufacturer's instructions for storage and handling. Damaged and otherwise unsuitable material, when so determined, shall be immediately removed from the Project site.

1.08 PROJECT CONDITIONS

A. Environmental Conditions: Do NOT install wall surface protection systems until the installation area is enclosed and weatherproof, and until the ambient temperature within the building is maintained at not less than 70 degrees F (21 degrees C) for not less than 72 hours prior to installation.

1.09 EXTRA MATERIALS

A. Furnish Owner at least 2 percent of each type, color and pattern of wall surface protection components used on the Project over and above the amount installed.

B. Deliver to Owner at time of final inspection of work under this Section and store where directed in the building.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Arden Architectural Specialties, Inc.

B. Corner Guards

2.02 WALL SURFACE AND CORNER PROTECTION SYSTEMS

A. Wallwear Protection Systems

1. Corner Guard Systems

2.03 MATERIALS

A. Snap-On Covers: Chemical and stain resistant, high impact vinyl acrylic, compounded with an anti-microbial additive, and extruded in longest lengths practicable for each system.

1. Color: To be approved by Architect.

B. Accessories

1. Fire Barriers: Intumescent type, to maintain 1-hour and 2-hour fire rated walls at corners.

C. Fasteners and Adhesives

1. For Corner Guards: Standard drywall screws.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine the substrates and conditions under which the work is to be performed, and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the installation until unsatisfactory conditions have been corrected.

B. Ensure that surfaces to receive materials specified are properly prepared.

1. Remove dust, and other loose particles which would not be removable following installation, or would interfere with adhesion of sheet goods and other adhesive applied materials.

3.02 INSTALLATION

A. Install corner guard systems in accordance with manufacturer's instructions, at locations shown.

B. Where applicable, install systems to comply with ADA Article 4.26.

END OF SECTION