

SECTION 10 26 00
WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies wall, handrail, corner guards and high impact wall covering.

1.2 RELATED WORK

A. Color and texture of resilient material: See interior Design Finishes

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. Handrail.
 - 2. Corner Guards.
 - 3. High Impact Wall covering
- 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):
 - D256-06.....Impact Resistance of Plastics
 - D635-06.....Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
 - E84-09.....Surface Burning Characteristics of Building Materials
- C. National Fire Protection Association (NFPA):
 - 80-10.....Standard for Fire Doors and Windows
- E. Society of American Automotive Engineers (SAE):

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

F. Underwriters Laboratories Inc. (UL):

Annual Issue.....Building Materials Directory

PART 2 - PRODUCTS

2.1 MATERIALS

Rigid Vinyl Sheet - WC-4

Vinyl: Shall be manufactured from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added (plasticizers may aid in bacterial growth). 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.

Rigid Vinyl Sheet sizes

Item # Dimensions Thickness

305 3'x8' (.91m x 2.44m) .040" = 3/64" (1mm), available

306 3'x8' (.91m x 2.44m) .060" = 1/16" (1.5mm), available

404 4'x8' (1.22m x 2.44m) .030" = 1/32" (.8mm), available

405 4'x8' (1.22m x 2.44m) .040" = 3/64" (1mm), standard

406 4'x8' (1.22m x 2.44m) .060" = 1/16" (1.5mm), standard

410 4'x8' (1.22m x 2.44m) .080" = 5/64" (2mm), available

Also available:

3' x 10' (.91m x 3.04m) sheets - thickness, .040" (1mm) and .060" (1.5mm)

3' x 80' (.91m x 24.3m) rolls - thickness, .060" (1.5mm)

3' x 120' (.91m x 36.5m) rolls - thickness, .040" (1mm)

4' x 10' (1.22m x 3.04m) sheets - thickness, .030" (.8mm), .040" (1mm), .060" (1.5mm) and .080" (2mm)

4' x 80' (1.22m x 24.3m) rolls - thickness, .060" (1.5mm)
4' x 120' (1.22m x 36.5m) rolls - thickness, .030" (.8mm) and
.040" (1mm)

Backing - unbacked

Accessories:

Vinyl Accessories: Top caps, inside corners, divider bars and
outside corners shall be of a color matching

Available sizes:

407 Top Cap; Length: 8' (2.44m) standard, 10' (3.04m) available

408 Vertical Divider Bar; Length: 8' (2.44m) standard, 10' (3.04m)
available

409 Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m)
available

417 Top Cap for .080" sheet; Length: 8' (2.44m) standard, 10'
(3.04m) available

418 Vertical Divider Bar for .080" sheet; Length: 8' (2.44m)
standard, 10' (3.04m) available

419 Inside Corner for .080" sheet; Length: 8' (2.44m) standard,
10' (3.04m) available

E. Outside Corners

3448, 3496, 11248 or 11296 Outside Corner

Color Matched Caulk

580 Color matched VinylSeal

Finish: See Interior Design Finish Plans

C. Provide clear plastic corner protectors at all wall exterior corners
receiving wall covering. Corner guards shall have one inch angle legs
and be anchored with screws provided. Height of corner protectors shall
be similar to height of adjacent modular wall panels, and terminate at
top of base.

D. Provide metal termination bars and accessories in all applicable locations.

2.2 HANDRAILS

A. Faux wood vinyl covered handrail.

Handrails: 1-1/2" (38mm) height.080" (2mm) vinyl cover.080" (2mm)
continuous aluminum retainer 1-1/2" (38mm) grip. Manufactured in 12'
(3.66m) standard lengths.Meets GreenGuard Environmental Institutes and
the State of California's requirements for low emitting products as
tested by Air Quality Sciences

B. Provide handrails with prefabricated and closure caps, inside and outside corners, concealed splices, cushions, mounting hardware and other accessories as required. End caps and corners shall be field adjustable to assure close alignment with handrails. Screw or bolt closure caps to aluminum retainer.

2.3 RESILIENT CORNER GUARDS

A. Resilient Vinyl Corner Bumper Guards are manufactured from homogeneous composition of polyvinyl chloride (PVC), high quality additives, and colorants. Exceed ASTM E 648 Class 1 Flammability requirements. Designed for interior applications only.

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. Resilient Material: Embossed texture and color in accordance with Interior Design Finish Plans

PART 3 - INSTALLATION

3.1 RESILIENT CORNER GUARDS - CG-1

- A. Install corner guards on walls in accordance with manufacturer's instructions after all other trades have been completed, especially overhead trades.
- B. Areas to receive corner bumper guards shall be clean, fully enclosed, weather tight, and maintained at uniform temperature of at least 65 degrees F for 24 hours before, during, and after installation is completed. The corner bumper guards and adhesives shall be conditioned in the same manner. The wall surface shall be smooth, flat, permanently dry, clean and free of all foreign material, such as dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue. Corner Bumper Guards shall be securely adhered to the wall and installed per the manufacturer's recommended instructions.
- C. Adhesives - Contact Bond Adhesive per manufacturer's recommendations. Applied with brush or roller. Coverage - approximately 360 SF/gallon

3.2 RESILIENT HANDRAIL

Secure handrails to walls with brackets and fasteners in accordance with manufacturer's details and instructions.

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