

## CS Acrovyn® Model P-OM

Suggested Specifications | Section 10 26 00  
Canadian Specifications

### Part 1 - General

#### 1.01 Summary

- A. This section includes the following types of wall protection systems:
  - 1. Handrails
- B. Related sections: The following sections contain requirements related to this section:
  - 1. Bumper Guards, Crash Rails, Corner Guards, Accent Rails, Wall Covering, Wall Panels, Door Protection; refer to section 10 26 00 "Wall and Door Protection"
  - 2. Blocking in walls for fasteners; refer to section 09 22 00 "Supports for Plaster and Gypsum Board"

#### 1.02 References

- A. National Building Code of Canada (NBC 2010)
- B. National codes (IBC, UBC, SBCCI, BOCA, OSHA, Life Safety, OSHPD and ADA)
- C. American Society for Testing and Materials (ASTM)

#### 1.03 Submittals

- A. General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures".
- B. Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.
- C. Shop drawings showing locations, extent and installation details of handrails. Show methods of attachment to adjoining construction.
- D. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, finish and end cap attachment and alignment.
  - 1. 9" (228.6mm) long sample of each model specified including end cap and mounting hardware.
- E. Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

#### 1.04 Quality Assurance

- A. Installer qualifications: Engage an installer who has no less than 3 years experience in installation of systems similar in complexity to those required for this project.
- B. Manufacturer's qualifications: Not less than 5 years experience in the production of specified products and a record of successful in-service performance.
- C. Code compliance: Assemblies should conform to all applicable codes including NBC 2010, IBC, UBC, SBCCI, BOCA, OSHA, OSHPD, ADA and CA 01350.
- D. Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.

#### 1.05 Delivery, Storage and Handling

- A. Deliver materials to the project site in unopened original factory packaging clearly labeled to show manufacturer.
  - B. Store materials in original, undamaged packaging in a cool, dry place out of direct sunlight and exposure to the elements. A minimum room temperature of 40°F (4°C) and a maximum of 100°F (38°C) should be maintained.
  - C. Material must be stored flat.
- 1.06 Project Conditions**
- A. Materials must be acclimated in an environment of 65°-75°F (18°-24°C) for at least 24 hours prior to beginning the installation.
  - B. Installation areas must be enclosed and weatherproofed before installation commences.
- 1.07 Warranty**
- A. **Acrovyn 5-year Limited Warranty**
    - 1. Applies to Interior Wall Protection orders that do not include recommended components accessories
      - a) Assemblies = Brackets, Hardware
      - b) Accessories = Primer, Adhesive, Caulk, Trims & Moldings
  - B. **Limited Lifetimes System Warranty**
    - 1. Applies to CS Interior Wall Protection projects that include all recommended components and accessories related to CS Interior Wall Protection Products.
      - a) Assemblies = Brackets, Hardware
      - b) Accessories = Primer, Adhesive, Caulk, Trims & Moldings

**Part 2 - Products**

- 2.01 Manufacturers**
- A. Interior surface protection products specified herein and included on the submittal drawings shall be manufactured by Construction Specialties, Inc., 3 Werner Way, Lebanon, NJ 08833 USA 800-233-8493; email: [cet@c-sgroup.com](mailto:cet@c-sgroup.com)
  - B. Drawings and specifications are based on manufacturer’s literature from Construction Specialties, Inc. drawings and specifications unless otherwise indicated. Other manufacturers must be approved equal by Architect/Owner.
- 2.02 Materials**
- A. Aluminum: Extruded aluminum components should be 6063-T6 alloy, nominal .060" (1.52mm) thick aluminum handrail. Minimum strength and durability properties as specified in ASTM B221. Cast brackets to be Powder Coated Aluminum.
  - B. Fasteners: All fasteners to be non-corrosive and compatible with aluminum retainers. All necessary fasteners to be supplied by the manufacturer.
- 2.03 Handrails**
- A. Handrails to be Acrovyn by Construction Specialties: Surface mounted handrail with end caps returning to the wall and mounting brackets designed to meet Canadian code required 50mm minimum offset spaced as indicated on C/S installation instructions. Attachment hardware shall be appropriate for wall construction.
    - 1. Model P-OM 5 1/2" h (139.4mm) handrail configuration consisting of oval aluminum handrail with matching end caps returning to the wall. Aluminum

handrail and Single cantilevered mounting brackets to be powder coated; select from one of (8) powder coat finishes.

#### 2.04 Finishes

- A. General: Comply with NAAMM "Metal Finishes Manual" for recommendations relative to applications and designations of finishes.

#### 2.05 Fabrication

- A. General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes.
- B. Preassemble wood components in shop as much as possible to minimize field assembly.
- C. Fabricate components with wood joints lightly chamfered. Provide surfaces free of chipping, dents and other imperfections.

### Part 3 - Execution

#### 3.01 Examination

- A. Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
  - 1. Do not proceed until unsatisfactory conditions have been corrected.

#### 3.02 Preparation

- A. Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.
- B. Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

#### 3.03 Installation

- A. Install the work of this section in strict accordance with the manufacturer's recommendations, using only approved mounting hardware, and locating all components firmly into position, level and plumb.
- B. Temperature at the time of installation must be between 65°-75°F (18°-24°C) and be maintained for at least 48 hours after the installation.

#### 3.04 Cleaning

- A. General: Immediately upon completion of installation, clean rails and accessories in accordance with manufacturer's recommended cleaning method.
- B. Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

#### 3.05 Protection

- A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.