

## CS Acrovyn® Models CO-8, CO-8M, ACO-8, and ACO-8M

Suggested Specifications | Section 10 26 00

### Part 1 - General

#### 1.01 Summary

- A. This section includes the following types of wall protection systems:
  - 1. Corner Guards
- B. Related sections: The following sections contain requirements related to this section:
  - 1. Handrails, Bumper Guards, Crash Rails, 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 codes (IBC, UBC, SBCCI, BOCA and Life Safety)
- B. American Society for Testing and Materials (ASTM)

#### 1.03 Submittals

General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures":

- A. Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.
- B. Shop drawings showing locations, extent and installation details of corner guards. Show methods of attachment to adjoining construction.
- C. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of guard:
  - 1. 6" (152.4mm) long sample of each model specified.
- D. Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.
- 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 IBC, UBC, SBCCI, BOCA and Life Safety.
- D. Fire performance characteristics: Provide metal components tested in accordance with ASTM 84 for Class A/1 fire characteristics.
- E. 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. Material must be stored flat.

#### 1.06 Project Conditions

- A. Installation areas must be enclosed and weatherproofed before installation commences.
- 1.07 Warranty
- A. Acrovyn 5-year Limited Warranty
    - Applies to Interior Wall Protection orders that do not include recommended components or accessories
      - Assemblies = Brackets, Hardware
      - Accessories = Primer, Adhesive, Caulk, Trims & Moldings
  - B. Limited Lifetime Systems Warranty
    - Applies to CS Interior Wall Protection projects that include all recommended components and accessories related to CS Interior Wall Protection Products.
      - Assemblies = Brackets, Hardware
      - Accessories = Primer, Adhesive, Caulk, Trims & Moldings

## Part 2 - Products

- 2.01 Manufacturers
- A. Construction Specialties, 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. Stainless steel: To be type 304 alloy with #4 satin finish for models CO-8 and CO-8M; minimum strength and durability properties as specified in ASTM A240.
  - B. Aluminum: To be alloy 5005 H34 with clear anodized finish for models ACO-8 and ACO-8M; minimum strength and durability properties as specified in ASTM B221.
  - C. All necessary fasteners to be supplied by the manufacturer.
- 2.03 Corner Guards
- A. Stainless steel corner guards to be CS Acrovyn: Surface mounted guards to be 16 gauge stainless steel.
    - 1. Model CO-8 90° stainless steel corner guard with 3/16" (4.8mm) radius and 3 1/2" (88.9mm) standard legs. Bull nose 3/4" (19.1mm) radius optional. Mounted with construction adhesive standard; stainless steel screws optional. Available in variable angles and leg sizes. For odd angle specify model CO-8M. Optional powder coat finish available; select from standard powder coat finishes.
  - B. Aluminum corner guards to be CS Acrovyn: Surface mounted guards to be .063" (1.6mm) thick.
    - 1. Model ACO-8 90° aluminum corner guard with 3/16" (4.8mm) radius and 3 1/2" (88.9mm) standard legs. Bull nose 3/4" (19.1mm) radius optional. Mounted with construction adhesive standard; stainless steel screws optional. Available in variable angles and leg sizes. For odd angle specify model ACO-8M. Optional powder coat finish available; select from standard powder coat finishes.

2.04 Fabrication

- A. General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes.
- B. Preassemble components in shop as much as possible to minimize field assembly.

2.05 Finishes

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

### 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 adhesive or mounting hardware and locating all components firmly into position, level and plumb.

#### 3.04 Cleaning

- A. General: Immediately upon completion of installation, clean material 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.