

CS Acrovyn® Model ECR-60S and ECR-60A

Suggested Specifications | Section 10 26 00

Part 1 - General

1.01 Summary

- A. This section includes the following types of wall protection systems:
 - 1. Crash Rails
- B. Related sections: The following sections contain requirements related to this section:
 - 1. Handrails, Corner Guards, Bumper 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 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 crash rails. Show methods of attachment to adjoining construction.
- C. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification:
 - 1. 6" (152.4mm) long sample of each model specified.
- D. 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 stainless steel components tested in accordance with ASTM E84 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. 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
- 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, 1/4" (6.35mm) thickness for model ECR-60S; minimum strength and durability properties as specified in ASTM A240.
- B. Aluminum: To be 6061-T6 extrusion with clear anodized finish for model ECR-60A; minimum strength and durability properties as specified in ASTM B221.
- C. All necessary fasteners to be supplied by the manufacturer.

2.03 Crash Rails

- A. Heavy duty crash rails to be by CS Acrovyn: Extended mount crash rail lengths to be supplied prefabricated with corners and end returns formed. End returns and corners shall not be separate pieces. All units pre-drilled. Mounting hardware shall be supplied by the manufacturer.

1. Model ECR-60S Stainless steel crash rail 6" (152.4mm) high x 1/4" (6.4mm) thick with continuous 2" (50.8mm) radiused ends standard, 135° corners available. Outside rail surface shall be no more than 3 1/4" (82.6mm) from wall mounting surface. Tube bracket standard. Specify ECR-60SHB for H-bracket or ECR-60SNE for non-exposed fasteners. Brackets are aluminum only. Optional powder coat finish available; select from standard powder coat finishes.
2. Model ECR-60A Aluminum crash rail 6" (152.4mm) high x 1/4" (6.4mm) thick with continuous 2" (50.8mm) radiused ends standard, 135° corners available. Outside rail surface shall be no more than 3 1/4" (82.6mm) from wall mounting surface. Tube bracket standard. Specify ECR-60AHB for H-bracket. Brackets are aluminum only. Optional powder coat finish available; select from standard 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 sizes. All based upon required field verified dimensions.

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 and the required field verified dimensions.
- B. Use only approved 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.