

CS Acrovyn® Models ECR-32S and ECR-32A

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 metal 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-32S; minimum strength and durability properties as specified in ASTM A240.**
- B. **Aluminum: To be 6061-T6 extrusion with clear anodized finish for model ECR-32A; 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-32S Stainless steel crash rail 4" (101.6mm) 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; Z-bracket (ECR-32SZB) and H-bracket (ECR-32SHB) available; brackets are aluminum only. Non-exposed fastener option available for H-bracket only; specify ECR-32SNE. Optional powder coat finish available; select from standard powder coat finishes.**
 2. **Model ECR-32A Aluminum crash rail 4" (101.6mm) 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; Z-bracket (ECR-32AZB) and H-bracket (ECR-32AHB) available; brackets are aluminum only. Non-exposed fastener option available; specify ECR-32ANE for special bracket. 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.