

CS Acrovyn® Models LG-300, LG-250, LG-200, LG-150, LG-118, and LG-034

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:
 - 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. 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

- 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 Manufacturer

A. Construction Specialties, 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. unless otherwise indicated. Other manufacturers must be approved equal by Architect/Owner.

2.01 Materials

- A.** Clear Polycarbonate: Corner guards shall be extruded from polycarbonate material with an impact resistance of 16 ft. lb./inch as tested per ASTM D-256, Notched Izod Test. Nominal thickness to be .050" (1.3mm) for 3/4" (19.1mm) legs; .075" (1.9mm) for 1-1/8" (28.6mm) and 1 1/2" (38.1mm) legs; and .10" (2.5mm) for 2" (50.8mm), 2 1/2" (63.5mm) and 3" (76.2mm) legs.
- B.** Fasteners: All fasteners to be non-corrosive and compatible with polycarbonate. All necessary fasteners to be supplied by the manufacturer.

2.02 Corner Guards

- A. Clear polycarbonate corner guards by CS Acrovyn: Surface mounted polycarbonate corner guards mounted with screws. Attachment hardware shall be appropriate for wall construction.
 - 1. **Model LG-300 90° surface mounted polycarbonate corner guard with 3" (76.2 mm) legs. Specify model LG-250 for 2 1/2" (63.5mm) legs, LG-200 for 2" (50.8mm) legs, LG-150 for 1 1/2" (38.1mm) legs, LG-118 for 1 1/8" (28.6mm) and LG-034 for 3/4" (19.1mm) legs. Odd angles available; specify LG-300M, LG-250M, LG-200M, LG-150M or LG-118M.**

2.03 Fabrication

- A. General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes.

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.
- B. 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 guards 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.