

C/S Acrovyn Wall Covering and Wall Panels Specification

C/S GROUP

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09950/CON

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Section 09950 and Section 09985 Wall Covering and Wall Panels

Part I - General

1.01 Summary

- A. This section includes the following types of wall coverings:
 - 1. Wall Covering
 - 2. Impact Resistant Sheeting
- B. Related Sections: The following sections contain requirements related to this section:
 - 1. Wall Protection Systems Section 10260
 - 2. Kickplates and door protection; refer to section 08710 "Finish Hardware"

1.02 References

- A. American National Standard Institute (ANSI)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriters Laboratories (UL)
- D. Society of Automobile Engineers (SAE)

1.03 Quality Assurance

- A. Installer qualifications: Engage an installer who has not less than 3 years experience in installation of wall coverings 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. Fire performance characteristics: Provide wall coverings with a UL label indicating that they are identical to those tested in accordance with UL-723 (ASTM-E84-91A) for Class I characteristics listed below:
 - 1. Flame spread: 20 or less
 - 2. Smoke developed: 400 or less
- D. Chemical and stain resistance: Provide wall coverings with chemical and stain resistance in accordance with ASTM D-1308.
- E. Color Match: Provide wall coverings that are color matched in accordance with SAEJ-1545 for the characteristics listed below:
 - 1. Delta E difference of no greater than 1.0 using the Hunter (Lab) Scale.
- F. 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.

1.04 Project Conditions

- A. Materials must be stored flat in a clean and dry area where temperature shall be maintained above 50°F (10°C).
- B. Materials must be acclimated in an environment of 65° - 75°F (18° - 24°C) for at least 24 hours prior to beginning the installation.

Part II - Products

2.01 Manufacturers

- A. Furnish and install as detailed and scheduled on the drawings. C/S Acrovyn High Impact Wall Coverings as manufactured by Construction Specialties, Inc., Muncy, PA; Mississauga, Ontario. Complete details, location schedules and material samples (including texture, color and pattern selection) shall be submitted to the architect for approval.

2.02 Materials

- A. Vinyl/Acrylic: Sheet material should be high impact Acrovyn with pebblette grain texture with thickness as indicated. Colors to be as indicated on the finish schedule from one of manufacturer's standard or custom color range.

2.03 .022" Wall Covering

- A. Acrovyn Wall Covering shall be semi-rigid vinyl/acrylic .022" (0.56mm) and supplied in 4' x 8' (1.22m x 2.4m) or 4' x 10' (1.22m x 3.05m) sheet size in standard pebblette texture. (14) other textures are supplied in 45" x 92" or 45" x 166" size sheets. Note: For Dado and Pinstripe textures, specify pattern direction. Available in any one of the (56) solid colors.

2.04 .040" Wall Covering

- A. Acrovyn Wall Covering shall be semi-rigid vinyl/acrylic .040" (1.02mm) thickness and supplied in 4' x 8' (1.22m x 2.4m) or 4' x 10' (1.22m x 3.05m) sheet sizes in standard pebblette texture. Available in (38) standard colors, (24) custom colors and (4) standard patterns.

2.05 Impact Resistant Sheeting

- A. Impact Resistant Sheeting shall be semi-rigid vinyl/acrylic .060" (1.52mm) thickness and supplied in 4' x 8' (1.22m x 3.05m) sheet sizes in standard pebblette texture. Available in (32) standard colors or (24) custom colors.

2.06 High Impact Panels (Beveled and Square Edge)

- A. Beveled panels shall be manufactured of .022" (0.56mm) thick Acrovyn vinyl/acrylic in one of 62 standard solid colors and 15 textures, or 24 patterns as selected. The vinyl/acrylic covering shall be factory bonded to the face side of a 3/8" (9.53mm) thick high-impact fiberboard core, extending over the beveled edges on 4 sides. The backside of the panel to be laminated with a moisture resistant vapor barrier. Panels shall be: 3'9" x 7'8" (1.14m) x 2.34m) or 3'9" x 9'8" (1.14m x 2.95m), or custom size. Square edge high-impact panels shall be 4' x 8' (1.22m x 2.44m) and 4' x 10' (1.22m x 3.05m) in 62 standard solid Acrovyn colors only. All trim members to be of vinyl/acrylic alloy, supplied in color to coordinate (or contrast) with panel color. Adhesive and mounting hardware supplied by the manufacturer.

2.07 Door and Frame Protection

- A. Acrovyn Door Frame Protection shall be formed from .040" or .060" thick semi-rigid vinyl/acrylic sheeting. Available in custom formed shapes as shown on architectural details in one of (38) standard and (24) custom colors.

2.08 Accessories

- A. Trims and Adhesive: Acrovyn Wall Covering shall be furnished as a complete packaged system, containing all trim members, primers and adhesive. Primer and adhesive materials shall be water based and non-hazardous.

Part III - Execution

3.01 Installation

- A. 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 to allow for proper adhesive set up.
- B. Relative humidity shall not exceed 80%.
- C. Do not expose wall covering to direct sunlight during or after installation. This will cause the surface temperature to rise, which in turn will cause bubbles and delamination.
- D. Do not install Acrovyn Wall Covering in any rooms that will experience more than a 20°F (12°C) temperature change.
- E. Installation shall be in accordance with manufacturer's printed installation instructions.

3.02 Cleaning

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