

SECTION 13125

VINYL BLEACHER COVERS

Logo

Display hidden notes to specifier by using "Tools"/"Options"/"View"/"Hidden Text".

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Extruded vinyl bleacher covering system.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry.
- B. Section 12610 - Fixed Audience Seating.

1.3 REFERENCES

- A. ASTM International (ASTM):
 1. ASTM D 256 - Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics.
 2. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
 3. ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.
 4. ASTM D 695 - Standard Test Method for Compressive Properties of Rigid Plastics.
 5. ASTM D 785 - Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials.
 6. ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 7. ASTM D 792 – Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
 8. ASTM D 4216 - Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) and Related PVC and Chlorinated Poly(Vinyl Chloride) (CPVC) Building Products Compounds.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
 4. Maintenance manuals.
- C. Shop drawings will indicate bleacher system layout. Show seat height, aisle widths and locations, material types and dimensions and method of anchorage to supporting structure.
- D. Selection Samples: For each finish product specified, one complete set of color chips representing manufacturer's full range of available colors and patterns.

- E. Verification Samples: For each finish product specified, one sample representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Regularly engaged in manufacturing extruded vinyl bleacher covering system, and capable of providing field service representation during construction, approving acceptable installer and approving application method.
- B. Installer Qualifications: Installer must be approved by the manufacturer.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.
 - 4. Approved mock-up may be incorporated into finished work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened labeled packaging, within absolute limits recommended by manufacturer for environmental conditions, until ready for installation.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Warranty: Provide manufacturer's standard 5 year limited warranty for defects in material.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Perma-Cap; 38 Dyer Street Ext., North Berwick, ME 03906. Toll Free Tel: (800) 726-7328 Email: info@perma-cap.com. Web: www.perma-cap.com.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 EXTRUDED VINYL BLEACHER COVERING SYSTEM

- A. Bleacher Covering System: As manufactured by Perma-Cap.
 - 1. System Description: Support planks (core) and vinyl seat tops designed and intended for use together to create final bench system; with end caps and joint covers, to be applied over existing wood benches and supports

2. Exposure: Designed for interior use.
 3. Exposure: Designed for exterior use.
 4. Existing Bench Size: As indicated on the Drawings.
 5. Existing Bench Size: 2 inches by 8 inches (51 mm by 203 mm).
 6. Existing Bench Size: 2 inches by 10 inches (51 mm by 254 mm).
 7. Existing Bench Size: 2 inches by 12 inches (51 mm by 305 mm).
- B. Seat Covering: Extruded vinyl shape.
1. Thickness: 090 inch (2.3 mm).
 2. Surface Profile: Fluted for slip resistance.
 3. Material: Manufactured from principally rigid PVC, ASTM D-4216 class 1 433 33 00.
 - a. Weathering Properties, Performance: Meets ASTM D-4216, section 11.
- C. Substrate Compliance:
1. ASTM D 256: IZOD impact, notched, 17 ft-lbs/inch.
 2. ASTM D 638: Tensile strength, 6,000 psi.
 3. ASTM D 638: Tensile modulus, 355,000 psi.
 4. ASTM D 648: Heat deflection, 264 psi.
 5. ASTM D 695: Compressive strength, 8,100 psi.
 6. ASTM D 790: Flexural strength, 11,100 psi.
 7. ASTM D 790: Flexural modulus, 406,000 psi.
 8. ASTM D 792: Specific gravity, 1.44.
- D. Acrylic Compliance:
1. ASTM D638: Tensile Strength at Maximum, 3,400 psi.
 2. ASTM D638: Tensile Elongation at Break, 90 percent.
 3. ASTM D638: Tensile Modulus, 180,000.
 4. ASTM D790: Flexural Strength, max. (Yield), 4,800.
 5. ASTM D790: Flexural Modulus, 170,000.
 6. ASTM D256: Notched IZOD Impact, (73 degrees) ft-lb/in notch.
 7. ASTM D785: Rockwell Hardness, 70 R.
- E. Factory Applied Finishes:
1. Seat Caps: _____.
 2. Seat Caps: Standard interior PVC finish, from manufacturer's standard colors, as selected by Architect.
 3. Seat Caps: Exterior acrylic finish from manufacturer's standard colors, as selected by Architect.
 4. Seat Caps: Interior PVC finish from manufacturer's custom color options, as selected by Architect.
 5. Seat Caps: Exterior acrylic finish from manufacturer's custom color options, as selected by Architect.
 6. Seat Caps: As indicated on Drawings.
 7. Steel Support Brackets: Galvanized, _____.
 8. Steel Support Brackets: Powder coated in standard color as selected by Architect.
 9. Steel Support Brackets: Powder coated in custom color as selected by Architect.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Installer shall verify that area to receive bleacher covering system is free of impediments or dimensional irregularities which might interfere with proper installation.

- B. Do not begin installation until substrates have been properly prepared. Prior to installation, verify substrate is prepared in accordance with manufacturer's recommendations.
- C. If substrate preparation is the responsibility of another installer, do not proceed with installation. Notify Architect of unsatisfactory preparation immediately.
- D. Beginning of installation constitutes acceptance of substrate conditions.

3.2 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 CLEANING AND PROTECTION

- A. During and after installation make sure understructure and seat caps are properly sized and aligned to provide neat joints and uniform appearance.
- B. Clean bleacher covering after installation.
- C. Protect installed system until completion of project.
- D. Touch-up, repair or replace damaged components before Substantial Completion.

END OF SECTION