



Vinyl Trims Specifications

PART 1 – GENERAL

1.01 Scope of Work

- A. Furnish all necessary labor, material and equipment for complete installation of Kaycan Vinyl Trims and related work as shown on drawings or specified herein.

1.02 References

- A. American Society for Testing and Materials (ASTM)

ASTM D256 - Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D618 - Standard Practices for Conditioning Plastics for Testing
ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
ASTM D638 - Standard Test Method for Tensile Properties of Plastics
ASTM D648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position
ASTM D696 - Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer
ASTM D790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D1929 - Standard Test Method for Determining Ignition Temperature of Plastics
ASTM D2843 - Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics
ASTM D3679 - Standard Specification for Rigid Poly-Vinyl Chloride (PVC) Siding
ASTM D4216 - Standard Specification for Rigid Poly-Vinyl Chloride (PVC) and Related PVC and Chlorinated Poly-Vinyl Chloride (CPVC) Building Products Compounds
ASTM D4226 - Standard Test Methods for Impact Resistance of Rigid Poly-Vinyl Chloride (PVC) Building Products
ASTM D5206 - Standard Test Method for Wind-load Resistance of Rigid Plastic Siding
ASTM D6864 - Standard Specification for Color and Appearance Retention of Solid Colored Plastic Siding Products
ASTM D7251 - Standard Specification for Color and Appearance Retention of Variegated Color Plastic Siding Products
ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

1.03 Submittals

- A. Submit samples of trims design, size and color for approval.
B. Product data: Manufacturers standard printed product data and installation instruction for specified products.
C. Selection samples: Submit color chips of manufacturer's full range of colors for Architects selection.

1.04 Delivery, Storage and Handling

- A. Trims is packed in cardboard cartons identified with stickers bearing the manufacture's name, product name, product code, number of pieces, size, and date of manufacture.
B. Prior to application, vinyl trims are to be stored in an area that is clean, dry and out of direct sunlight
C. Handle material in a manner to prevent damage. Do not allow trims to crease.

1.05 Warranty

- A. Upon completion provide a written Lifetime, Transferable, Limited Warranty and for Non-Residential a Fifty Year Warranty.

PART 2 – PRODUCTS

2.01 Manufacturer

- A. Materials to be supplied by Kaycan Ltd., www.kaycan.com
B. Substitutions not permitted.

2.02 Materials

- A. Manufacturer shall maintain rigorous production quality control standards to assure that Kaycan Vinyl trims will perform as expected for its intended use.
- B. **Typical Compound Properties:** Vinyl trims are produced from Kaycan's exclusive Duratron formula: a Poly Vinyl Chloride (PVC) compounds meeting the requirements of ASTM D3679, ASTM D4216, and ASTM D4477 with the following manufacturing and product specifications.
Test Criteria: Typical Properties
Tensile Strength (ASTM D638) : 7000 psi
Modulus of Elasticity ASTM D638): 400,000 psi
Izod Impact @70° F (ASTM D 256):
4.20 lb./in. notch
Izod Impact @32° F (ASTM D 256):
2.40 lb./in. notch
Deflection Temperature with 264 psi load (ASTM D648):
175° F (79.4° C)

C. Trims Dimensions and Description: (Select Profile)

- **Lineal Starter:** thickness 0.050", length of profile 12ft-6in.
- **½" Vinyl Starter Base:** thickness 0.046", length 10ft.
- **¾" Vinyl Starter Base:** thickness 0.046", length 10ft.
- **3½" Lineal:** thickness of profile 0.044", length of profile 20ft.
- **5" Lineal:** thickness of profile 0.044", length of profile 20ft.
- **Corner Bead:** thickness of profile 0.042", length of profile 20ft.
- **6" Fluted Corner:** thickness 0.050", length of profile 20ft.
- **6" Traditional Corner:** thickness 0.050", length 18ft-6in.
- **½" Outside Corner:** thickness 0.042", length of profile 10ft.
- **¾" Outside Corner:** thickness 0.042", length of profile 10ft.
- **½" Inside Corner:** thickness 0.042", length of profile 10ft.
- **¾" Inside Corner:** thickness 0.042", length of profile 10ft.
- **2 ½" Window/Door Casing:** thickness 0.042", length 12ft-6in.
- **Undersill Trim:** thickness 0.042", length of profile 10ft.
- **Dual Undersill Trim:** thickness 0.040", length of profile 12ft-6in.
- **Snap-In Crown Mold:** thickness 0.042", length 12ft-6in.
- **Frieze Plate with Receiver:** thickness 0.042", length 12ft-6in.
- **½" F-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **¾" F-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **H-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **½" J-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **5/8" J-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **¾" J-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **1¼" J-Channel:** thickness 0.042", length of profile is 12ft-6in.
- **5/8" Flexible J-Trim:** thickness 0.042", length of profile is 12ft.
- **8" Fascia:** thickness of profile 0.042", length of profile 12ft-6in.
- **Vertical Base Flashing:** thickness 0.042", length 10ft.
- **Window/ Door Cap:** thickness 0.042", length of profile 10ft.
- **Bay/ Bow Outside Corner Post:** thickness of profile 0.047", length of profile 10ft.
- **Bay/ Bow Inside Corner Post:** thickness of profile 0.047", length of profile 10ft.
- **Rockwell Undersill Trim:** thickness 0.042", length 12ft-6in.



Vinyl Trims Specifications

D. Trims Description:

Thickness tolerance: ± 0.002 in.

Embossing/Woodgrain: Trims profiles to match the sample provided under section 1.03.

Color: Color shall be matched or color coordinated to the siding according the architect's specifications.

Trims color shall be present throughout the thickness of the profile. Trims shall be produced using KP's exclusive Ultra-Vinyl formulation as the siding.

Nail Slots: Elongated nail slots 1" long are spaced approximately 1/2" apart to allow trims to expand and contract properly.

Trims shall be consistent with the shape, size and properties as shown in the drawing and as required for complete installation.

2.03 Fasteners:

- A. Galvanized nails or other corrosion-resistant fasteners, as recommended by manufacturer for specific application shall be used to install the trims.

PART 3 – EXECUTION

3.01 Examination

- A. Confirm that all critical dimensions are as specified in the drawings.

3.02 Preparation

- A. Any substrate flaws or defects must be repaired, and free from obstructions before the trims and vinyl siding are applied.

3.03 Installation

- A. Before the siding itself can be hung, a number of accessories must be installed first, including starter strips, corner posts, window flashing, trim, and J-channels over the roof lines.
- B. Kaycan Ltd. produces various sizes of trims. Use trims with the proper size to match the siding panels.
- C. J-channel is used around windows and doors to receive the siding.
- D. Install the flashing before the J-channel to prevent water infiltration along the intersection of a roof and wall.
- E. Vinyl J-channels should not be in direct contact with roofing shingles, since the shingles may transfer enough heat to the vinyl J-channel to cause its distortion.
- F. The first row of sidings should be placed in the starter trim and securely locked along the entire length of the siding panel.
- G. Install in accordance with the latest edition of the "Vinyl Siding Installation Manual" published by the Vinyl Siding Institute.
- H. The vinyl siding and accessories shall be installed in accordance with the best practice. Nails shall be centered in the siding nail slots with a minimum 1/16 in. clearance between the back of the nail head and the face of the siding. Nails shall be driven perpendicular to the substrate.
- I. At all openings and stops, a minimum gap 1/4 in., shall be provided for expansion and contraction. Joints between panels shall be overlapped a minimum of 1 in., with all joint members plumb and true.

3.04 Field Quality Control

- A. After installation of trims check entire surface for obvious flaws or defects. Replace and repair any problem areas.

3.05 Cleaning

- A. After the vinyl siding has been applied, clean as necessary to remove all fingerprints and soiled areas.
- B. Clean and remove all scrap, packaging and unused materials resulting from the installation of vinyl products.

All Kaycan Vinyl Sidings and accessories are backed by a Lifetime Limited Warranty.