

CRANE PERFORMANCE SIDING PRODUCT SPECIFICATIONS

PART 1 GENERAL

1.01 Scope of Work

Furnish all necessary labor, material and equipment for complete installation of Crane Performance Siding Vinyl Siding and related work as shown on drawings or specified herein.

1.02 References

American Society for Testing and Materials (ASTM) D 3679. Standard Specification for Rigid Poly Vinyl Chloride (PVC) Siding.

- D 256 Test Methods for Impact Resistance of Plastics and Electrical Insulating Material
- D 638 Test Method for Tensile Properties of Plastics
- D 648 Test Method for Deflection Temperature of Plastics Under Flexural Load
- D 696 Test Method for Coefficient of Linear Thermal Expansion of Plastics
- D 1929 Test Method for Ignition Properties of Plastics
- D 2843 Test Method for Density of Smoke from the Burning or Decomposition of Plastics
- D 3679 Standard Specification for Rigid Poly Vinyl Chloride (PVC) Siding
- D 4226 Test Methods for Impact Resistance of Rigid Poly Vinyl Chloride (PVC) Building Products

1.03 Submittals

Submit samples of siding design, size and color for approval.

1.04 Quality Assurance

Manufacturer to certify that vinyl siding as supplied meets or exceeds the conditions specified in section 2.02 Materials.

Regulatory Compliance:

1. 2003 International Building Code (IBC) – ESR-1083
2. 2003 international Residential Code (IRC)
3. BOCA National Building Code/1999 (BNBC)
4. 1999 Standard Building Code (SBC)
5. 1997 Uniform Building Code (UBC)
6. HUD – FHA Minimum Property Standards
7. Texas Department of Insurance – EC01

1.05 Delivery, Storage and Handling

Deliver vinyl products in original packaging. Each box to be clearly marked with the siding style, color and identifying lot number.

Prior to application, vinyl siding and accessories are to be stored in an area that is clean, dry and out of direct sunlight.

Do not store in location where temperature may exceed 130 degrees F.

Handle material in a manner to prevent damage. Do not allow siding cartons to crease.

Warranty

Upon completion provide a written Transferable, Lifetime Limited Warranty.

PART 2 PRODUCTS

Manufacturer

Material to be supplied by Crane Performance Siding, Columbus, OH 43216. (800) 366-8472
www.cranesiding.com

Materials

All Crane Performance Siding, Vinyl Siding, Soffit and Accessory Products shall be extruded Poly Vinyl Chloride (PVC) and shall conform to all of the requirements established by ASTM Specifications D 3679, developed in cooperation with the industry and published by the American Society for Testing and

Materials. Vinyl Siding shall be Certified under the VSI program.

All Crane Performance Siding meets or exceeds the following properties:

Impact Strength @ 74°F	2.12 ft. lb./in. of notch (ASTM D 256)
	Impact Strength @ 32°F 1.80 ft. lb./in. of notch (ASTM D 256)
	Tensile Strength 7331 psi (ASTM D 638)
Modulus of Elasticity	403308 psi (ASTM D 638)
Coefficient of Linear Expansion	3.17 x 10 ⁻⁵ in./in. F° (ASTM D 696)
Warp	<1/8 in. (ASTM D 3679)
Heat Shrinkage	0.00 (ASTM D 3679)
Weatherability	No cracking, peeling, chipping or surface defects
Surface Distortion	No distortion at 120°F (ASTM D 3679)
Impact Resistance	76.7 in./lb. (ASTM D 4226)

Fire Resistance Characteristics:

Average Time of Burning	<5 sec. (ASTM D 635)
Average Extent of Burning	9.4 mm (ASTM D 635)
Flame Spread	20 (ASTM E 84)
Smoke Density	390 (ASTM E 84)
Ignition Properties	Self Ignition did not occur. At 797°F sample began to smolder and continued until consumed (ASTM D 1929)
Radiant Panel Test	Crane Performance Siding met the conditions for allowable use as specified in section 1406 of the International Building Code. (NFPA 268)

Siding Dimensions and Descriptions:

SELECT APPLICABLE DESCRIPTION

Premium Pointe 360	.046 Average Thickness, True Milled Finish, ¾” panel projection, extra thick .092” full rollover nailing hem, (<i>Select Profile</i>) Double 4” Clapboard – Length 16’8”, Width 8”; Double 4-1/2” Dutchlap – Length 16’6”, Width 9”.
Market Square	.044” Average Thickness, Cedargrain Finish, 5/8” panel projection, Integri-Lock locking system snaps panels securely together, (<i>Select Profile</i>) Double 4” Clapboard – Length 12’6”, Width 8”; Double 4-1/2” Dutchlap – Length 12’1”, Width 9”; Double 5” Clapboard – Length 12’, Width 10”.
Carolina Sands	.044” average Thickness, Natural Smooth Finish, 5/8” panel projection. (<i>Select Profile</i>) 6-1/2” Beaded – Length 12’4”, Width 6-1/2”.
American Dream	.040” Average Thickness, Woodgrain Finish, ½” panel projection, Windbracer lock system, (<i>Select Profile</i>) Double 4” Clapboard – length 12’6”, Width 8”; Double 4” Dutchlap – Length 12’6”, Width 8”; Double 5” Clapboard – Length 12’, Width 10”; Double 5” Dutchlap – Length 12’, Width 10”.
8” Clapboard	.042” Average Thickness, Woodgrain Finish, Length 12’6”, Width 8”.

COLOR	Siding color shall be as specified by architect.
INTERLOCK	Siding panels are made with post-form style lock with positive interlock. Both ends of the panel are factory cut and notched for overlap.
WEEP HOLES	Small holes under the bottom butt prevent vapor build-up and allow accumulated moisture to escape.

Soffit Dimensions and Descriptions:

SELECT APPLICABLE DESCRIPTION

Air Flo Soffit	Natural Smooth Finish, ½” Depth, Length 12’, Width 12” , Center-vented (punched)- ventilation, 1.96 sq/in/lf, Full-vented- ventilation, 5.89 sq/in/lf and Non-vented.
Premium Pointe Soffit	Natural Smooth Finish, ¾” Depth, Length 12’, Width 10”, Concealed Vent-ventilation, 4sq/in/lf, and Non-vented.
Double 5” Soffit	Natural Smooth Finish, ½” Depth, Length 12’6”, Width 10”, Fully Perforated-ventilation, 4.78sq/in/lf and Solid.
6” Beaded Soffit	Matte Finish, Length 12’6”, with 6” Concealed Vent- ventilation, 1.2sq/in/lf and Solid.

2.01 Accessories

Accessories to be equal to dimensions and properties as shown in the drawing and as required for complete installation. Accessories shall be produced from compound materials with comparable properties as the siding.

Schedule of Accessories

1. Starter Strip: Metal
2. Starter Strip: Vinyl
3. Finish Trim
4. Dual Undersill Trim
5. Outside Corners: 3-piece system: including Corner Connector, 5” Lineals with foam insert, Wide Architectural Corner Post, True Milled outside corner post, Woodgrain outside corner post.
6. Inside Corner Post
7. Architectural Essentials: 5” Window Lineals with foam inserts
8. Architectural Essentials: 3-1/2” Window Lineals with foam inserts
9. 2-1/2” Window/door Casing Channel
10. Gable Trim: 5” Lineals
11. Frieze Board: 5” Lineals
12. Soffit Trim: F Channels
13. Soffit Trim: Crown Molding
14. Miscellaneous Channels to suit project conditions

PART 3 EXECUTION

3.01 Examination

Confirm that all critical dimensions are as specified in the drawings. Examine substrate flaws and defects.

3.02 Preparation

Any substrate flaws or defects must be repaired before the vinyl siding is applied. Vinyl siding must be applied to walls that are in plane and free from obstructions.

3.03 Installation

Install in accordance with the latest edition of the Vinyl Siding Installation “A How-To Guide” published by the Vinyl Siding Institute of the Plastics Industry.

The vinyl siding and accessories shall be installed in accordance with the best practice, with all joint members plumb and true.

3.04 Field Quality Control

After installation of siding, check entire surface for obvious flaws or defects. Replace and repair any problem areas.

3.05 Clean-Up

After the vinyl siding has been applied, clean as necessary to remove all fingerprints and soiled areas.

Upon completion of the siding application, the entire area is to be cleaned, removing all scrap, packaging and unused building materials.