

Vinyl Carpentry™ Ironmax™ Soffit

Vinyl Soffit and Vertical Siding

General Description: Ironmax™ soffit and vertical siding is appropriate for use in new construction for single family homes, multi-housing projects and light commercial developments. Ironmax is also an ideal product for remodeling. The vented style is intended for eaves installation only. The solid style is appropriate for both vertical sidewall and eaves installation.

Styles:

Profile	Finish	Net Free Air Space Per Sq. Ft.	Panel Projection	Wall Thickness (Nominal)	Lock Design	Colors	Accessory Pocket
Double 5" Solid	Woodgrain	—	9/16"	.046"	Post-formed	10	3/4"
Double 5" Vented	Woodgrain	6.4 Sq. In.	9/16"	.046"	Post-formed	10	3/4"

Colors: Ironmax profiles are available in the industry’s widest selection of colors. All colors are spectrophotometer controlled and utilize exclusive PermaColor™ color science.

Colonial White (01)	Light Maple (55)	Savannah Wicker (59)	Sterling Gray (33)	Natural Clay (60)
Desert Tan (07)	Sandstone Beige (15)	Snow (31)	Granite Gray (34)	Sable Brown^ (29)

^Soffit Use only (solid soffit)

Lock: Designed for ease of installation, Ironmax panels feature a post-formed lock popular with installers for its locking assurance and trouble-free handling.

Accessories: CertainTeed manufactures a wide range of siding and soffit accessories which are compatible with Ironmax styles and colors. Accessory products include installation components, soffit, window and door trim, corner lineals, corner systems and decorative moldings.

Composition: Ironmax soffit and vertical siding is produced using PVC resin.

Technical Data: Ironmax soffit and vertical siding is in compliance with ASTM specification for Rigid Polyvinyl Chloride (PVC) Siding D3679, D4477 Specification for Rigid Polyvinyl Chloride (PVC) Soffit, the requirements of section R703.11 of the International Residential Code, and section 1404.14 of the International Building Code. Ironmax soffit and vertical siding meets or exceeds the properties noted in Table 1.

Table 1:

ASTM E 84	Meets Class A flame spread requirements as tested according to ASTM E84.
ASTM D 635	Material is self-extinguishing with no measurable extent of burn when tested in accordance with this specification.
NFPA 268	Radiant Heat Test - Ignition Resistance of Exterior Walls - Conclusion that CertainTeed met the conditions for allowable use as specified in section 1406 of the International Building Code.

Important Fire Safety Information: When rigid vinyl siding is exposed to significant heat or flame, the vinyl will soften, sag, melt or burn, and may thereby expose material underneath. Care must be exercised when selecting underlayment materials because many underlayment materials are made from organic materials that are combustible. You should ascertain the fire properties of underlayment materials prior to installation. All materials should be installed in accordance with local, state and federal Building Code and fire regulations.

Wind Load Testing: CertainTeed IronMax D5” siding has been tested per ASTM D 5206 standard test method for wind load resistance to withstand negative wind load pressures and their mph equivalents as shown in the chart below. All products exceed industry standards for wind load performance. Check with your local building inspector for wind load requirements in your area for the type of structure you are building.

Table 2

Product	Fastener Spacing	2015/2018 IBC/IRC			2021 IBC/IRC		
		Standard Design Pressure Rating	Maximum Windspeed (mph)		Standard Design Pressure Rating	Maximum Windspeed (mph)	
			ASD	ULT		ASD	ULT
Double 5” Vertical	Nails 12" o.c.	55.6	152	196	40.0	129	166

* Windload calculations based on ASTM D3679, ASCE 7-10, 30ft High, Exposure B

Documents: This product meets the requirements of one or more of the following specifications:

- Texas Department of Insurance Product Evaluation EC-11
- Conforms to ASTM Specification D3679
- Conforms to ASTM Specification D4477
- Florida BCIS Approval FL13389, FL1573
- ICC-ES Evaluation Report ESR-1066
- For specific product evaluation/approval information, call 800-233-8990.

Installation: Prior to commencing work, verify governing dimensions of building, examine, clean and repair, if necessary, any adjoining work on which the siding is in any way dependent for its proper installation. Sheathing materials must have an acceptable working surface. Siding, soffit and accessories shall be installed in accordance with the latest editions of CertainTeed installation manuals on siding and soffit. Installation manuals are available from CertainTeed and its distributors.

Warranty: CertainTeed supports Ironmax products with a Lifetime Limited Warranty including PermaColor Lifetime Fade Protection to the original homeowner. The warranty is transferable if the home is sold.

Technical Services: CertainTeed maintains an Architectural Services staff to assist building professionals with questions regarding CertainTeed siding products. Call 800-233-8990 for samples and answers to technical or installation questions.

Sample Short Form Specification: Product as shown on drawings or specified herein shall be Ironmax Vinyl Soffit and Vertical Siding as manufactured by CertainTeed LLC, Malvern, PA. The siding shall have a .046" nominal thickness. Installation shall be in accordance with manufacturer’s instructions.

Three-part Format Specifications: Long form specifications in three-part format are available from CertainTeed by calling our Architectural Services Staff at 800-233-8990. These specifications are also available on our website at www.certainteed.com.

