

# TrueComfort® Insulated Siding

## Vinyl Siding

**General Description:** TrueComfort® Insulated Siding provides the thermal benefit and added strength of rigid foam insulation with the easy maintenance of wood. TrueComfort Insulated Siding is available in a selection of profiles that offer the industry’s best real wood replication.

TrueComfort Insulated Siding is appropriate for use in new construction for single family homes, multi-housing projects and light commercial developments. TrueComfort Insulated Siding is also an ideal product for remodeling.

**Styles:**

Profile	Finish	Panel Projection	Vinyl Wall Thickness (Nominal)	Total Wall Thickness With Foam	Lock Design	Colors	Accessory Pocket
Double 6" Cedar Board	Rough Cedar	¾"	.044"	1⅜"	DuraLock™ post-formed positive lock	12	1¼"
Double 4" Clapboard	Select Cedar	⅝"	.044"	1⅜"	DuraLock™ post-formed positive lock	12	1¼"
Double 4½" Dutchlap	Select Cedar	⅝"	.044"	1⅜"	DuraLock™ post-formed positive lock	12	1¼"

**Colors:** TrueComfort Insulated Siding profiles are available in the industry’s widest selection of colors. All colors are Spectrophotometer controlled and utilize exclusive PermaColor™ color science.

**STUDfinder™:** The STUDfinder Installation System combines precisely engineered nail slot locations with graphics. Nails are positioned 16" and 24" on center to allow for alignment with studs. STUDfinder graphics centered directly above each slot provide a quick and easy guide to help locate studs.

- |                |                |                 |                 |
|----------------|----------------|-----------------|-----------------|
| Colonial White | Granite Gray   | Natural Clay    | Savannah Wicker |
| Cypress        | Heritage Cream | Oxford Blue     | Snow            |
| Desert Tan     | Light Maple    | Sandstone Beige | Sterling Gray   |

**Lock:** TrueComfort Insulated Siding’s exclusive DuraLock™ is a substantially larger lock than is found on competing products, with a rigid teardrop shape and engineered angular locking leg for a positive, snap fit application and exceptional wind resistance.

**Accessories:** CertainTeed manufactures a wide range of siding accessories that are compatible with TrueComfort Insulated Siding styles and colors. Accessory products include installation components, soffit, window and door trim, corner lineals, corner systems, decorative moldings and insulated shims.

**Composition:** TrueComfort Insulated Siding products are produced of components using CertaVin™ custom-formulated PVC resin produced exclusively by CertainTeed, extruded and fused with expanded Polystyrene (EPS) foam insulation.

**Technical Data:** TrueComfort Insulated Siding is in compliance with ASTM specification for Rigid Polyvinyl Chloride (PVC) Siding D 3679, the ASTM specification for Rigid, Cellular Polystyrene Thermal Insulation C 578, and the requirements of sections 1404.9 and 2603 of the International Building Code. TrueComfort Insulated Siding meets or exceeds the properties noted in Table 1.

Table 1

ASTM D 4226	Impact Resistance: 159.2 in./lb.
ASTM D 3679	Surface Distortion: No distortion at 120° F.
ASTM C 303	Polystyrene Density: 1.0 lb./cu. ft.
ASTM C 236	System R-Value: Up to 4.0 (R-Values vary slightly depending on profile.)
ASTM E 96	Water Permeability: Not less than 5.0 perm/inch maximum
ASTM C 272	Water Absorption: <2.75% by volume
ASTM E 84	Fire Characteristics: Vinyl Siding Facing Flame Spread Index 20 Smoke Development Index 390 EPS Backing Flame Spread Index ≤75 Smoke Development Index ≤450
ASTM D 1929	Self-ignition temperature 824°F
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 Insulated Siding met the conditions for allowable use as specified in section 1406 of the International Building Code.
NFPA 259	Potential Heat Test - Conclusion that Insulated Siding met the conditions specified in section 2603 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. Although the expanded polystyrene backing is treated with a fire retardant chemical and will not support combustion, it is an organic material and should therefore be considered flammable if exposed to an open flame or ignition source. Also, 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.

TrueComfort products are considered a green building material by the environmental community. They are environmentally friendly and fully recyclable. They are constructed from inert organic materials and contain no HCFLs, CFCs, HFCs or Formaldehyde.

**Wind Load Testing:** TrueComfort Double 4" siding has been tested per ASTM D 5206 standard test method for resistance to negative wind load pressures of 53 psf, which equates to more than 180 mph, when installed with nails positioned 16" on center. TrueComfort Double 6" siding has been tested per the same criteria to 33.3 psf or 160 mph. Check with your local building inspector for wind load requirements in your area on the type of structure you are building.

**Thermal Expansion:** The EPS backing is very compatible with vinyl siding due to their nearly identical coefficients of expansion and contraction. Its coefficient of thermal expansion is 0.000035 in./in./degree F. Vinyl siding will range from 0.000031 to 0.000036 in./in./degree F.

**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 TrueComfort Insulated Siding products with a Lifetime Limited Warranty. 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:** Siding as shown on drawings or specified herein shall be TrueComfort Insulated Siding as manufactured by CertainTeed Corporation, Valley Forge, PA. The siding shall have a 0.088" thick nail hem and wind resistance of 38 psf negative pressure. 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](http://www.certainteed.com).



CertainTeed Corporation  
 P.O. Box 860  
 Valley Forge, PA 19482  
[www.certainteed.com](http://www.certainteed.com)  
 © 5/05 CertainTeed