CertainTeed

Millennium® with Nail-Tight Flexible Hem

Vinyl Siding

General Description: Millennium® provides the look of wood siding, but does not require the upkeep common to wood. Available in a selection of profiles and finishes, Millennium Siding offers SMARTWALL TECHNOLOGY with the exclusive Nail-Tight Flexible Hem.

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

Styles:

Profile	Finish	Panel Projection	Wall Thickness (Nominal)	Lock Design	Colors	Accessory Pocket
Double 4" Clapboard	Cedar Grain	⅝"	.044"	DuraLock™ post-formed positive lock	14	¾"
Double 4½" Dutchlap	Cedar Grain	⅝"	.044"	DuraLock™ post-formed positive lock	14	¾"

Colors: Millennium siding profiles are available in the industry's widest selection of colors. All colors are Spectrophotometer controlled and utilize exclusive PermaColor™ color science.

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

SMARTWALL TECHNOLOGY: Millennium features a Nail-Tight Flexible Hem and PermaFlex™ Suspension Cables that allow panels to "float" over minor imperfections in the wall. Tight nailing means the siding can be installed faster with power tools, it also provides significantly increased resistance to high winds.

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

Composition: Millennium siding products are produced using CertaVin™ custom-formulated PVC resin. This resin is produced exclusively by CertainTeed, allowing CertainTeed to maintain the high quality of its siding products. CertainTeed's Millennium siding is in compliance with the ASTM Specification for Rigid Polyvinyl Chloride (PVC) siding D 3679.

Technical Data: Millennium siding meets the weathering standard in ASTM D 3679 using ASTM D 1435 procedure. As shown in Table 1, Millennium siding is in compliance with ASTM Fire and Smoke procedures and meets or exceeds International Building Code requirements.

Table 1

ASTM E 84	Flame Spread Index 20 Fuel Contribution 0 Smoke Development Index 390
ASTM D 1929	Self-ignition temperature 824°F
ASTM E 119	Fire Endurance Classification of 1 hour rated
ASTM D 635	Material is self-extinguishing with no measurable extent of burn when tested in accordance with this specification.
UBC 26-4	Multi-Story Flame Test - indicated CertainTeed vinyl siding does not contribute to the spread of fire in a multi-story situation.
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 Millennium Double 4" siding has been tested per ASTM D 5206 standard test method for resistance to negative wind load pressures of 105 psf when installed with nails and 85 psf when installed with staples positioned 16" on center, which equates to 284 mph and 256 mph respectively per VSI windspeed calculation guidelines. Check with your local building inspector for wind load requirements in your area on the type of structure you are building.

Documents: Millennium shall meet the requirements of one or more of the following.

Texas Department of Insurance Product Evaluation EC-11

Conforms to UBC Standard 14-2

New York City Approval MEA #284-93M, 285-93M

Conforms to ASTM Specification D3679

Miami-Dade County Product Control Approved NOA 02-0531.09

Conforms to ASTM Specification D4477

Florida BCIS Approval 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 Millennium siding products with a Lifetime Limited Warranty with "Won't Blow-Off" Protection. 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 Millennium Vinyl Siding as manufactured by CertainTeed Corporation, Valley Forge, PA. The siding shall have a flexible fiberglass nail hem. 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.