

Liberty Wood Series Collection

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TrimLine Windows, Inc., founded by Frank L. Zimmerman, is a third generation family owned company which has been manufacturing windows for nearly 50 years. Dennis J. Teeling has been Owner and President of the company since 1983 and continues to oversee daily operations. Located in suburban Philadelphia, TrimLine currently operates three manufacturing plants.

TrimLine specializes in the manufacture of Custom Aluminum Clad Wood and All Wood / cPVC (cellular PVC) windows with one of the broadest product lines in the replacement and remodeling industry. Our extensive product line includes double hung, casement, bay, bow, awning, picture windows, and sash replacement kits, as well as radius top, trapezoidal, and other architectural windows. Trimline features custom windows for replacement, remodeling, certified historic rehabilitation, and other large re-purpose projects. The four key product lines include the Legends Clad Series, Liberty Wood Series, Ultra-Fit Sash Replacement Kit Series, and the Architectural Series.

The Liberty Series is an all wood / cPVC window that is available in a full jamb, specifically designed for either a pocket insert replacement installation, complete tear-out or with nail fin for new construction. TrimLine's no-rot cPVC Freedom Frame System is a type of plastic that was engineered to imitate wood. The Freedom Frame mimics most of wood's virtues but gives you the "freedom" from keeping up with the maintenance that a wood window frame requires. cPVC can be cut, milled, nailed, shaped, and routed but unlike wood is nonporous and guards against warping, cupping, splitting, and rotting. The cPVC Frame system is weather resistant and has an ultra smooth surface for acceptance of a superior factory prefinish in virtually any color. A number of standard brickmoulding styles are available as well as custom profiles for certified historic rehabilitation projects. Custom radius head double hungs with True Divided Lites are also available to meet historic requirements.

Designed to maintain the architectural and historical integrity of any home or building, TrimLine also provides an array of architectural shapes that can be factory or field mulled with other Liberty Series products.



Product Description

*L200 / L200S 4 9/16" Replacement Frame No Brickmould

*L300 / L300S Full Frame w/ Brickmould

LPW200 4 9/16" Replacement Picture Window No Brickmould

LPW300 Full Frame Picture Window w/ Brickmould

LRS400 Square Frame / Arch Sash

LRS500 Square Frame / Half Round Sash

Product Description

LRS400RB Square Frame / Arch Sash w/ Radius Brickmould

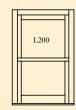
LRS500RB Square Frame / Half Round Sash w/ Radius Brickmould

LRF400 Arched Frame/ Arch Sash

LRF500 Half Round Frame / Half Round Sash
LRS200A Square Frame / Arch Sash 200 Series

LRS200H Square Frame / Half Round Sash 200 Series

Replacement / Sash Pocket Installation



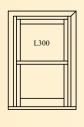


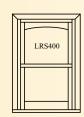


Replacement / Sash Pocket Installation

- Insert Frame requires 4 9/16" sash pocket
- ½" Replacement sill
- No Brickmoulding
- Exterior height is 11/16" larger than Interior
- 9 degree sill slope
- Optional full or half screen available
- Primed Exterior Standard

Remodeling or New Construction



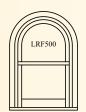








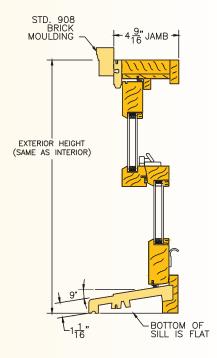


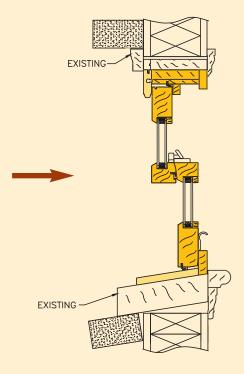


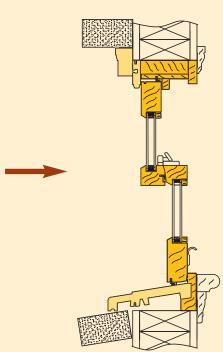
Remodeling or New Construction

- Standard 4 9/16" jamb
- 1 1/8" sill thickness
- Choice of Brickmould Profiles
- Interior & Exterior frame height is the same
- Includes screen

- Available with optional Historic 1 3/4"
 Sill & 4" Bottom rail
- Frame accepts Snap-In Folding Nail Flange
- Primed Exterior Standard







L200

Replacement / Sash Pocket Installation

Series L200 / L200S is available in custom sizes in 4 9/16" insert frame for sash pocket installation – No Brickmould

- Requires 4 9/16" sash pocket
- 9 degree slopped sill increases exterior height by 11/16"
- 1/2" Replacement sill thickness
- · Installs from the exterior
- · Optional 4" bottom rail
- Features No-Rot Freedom Frame



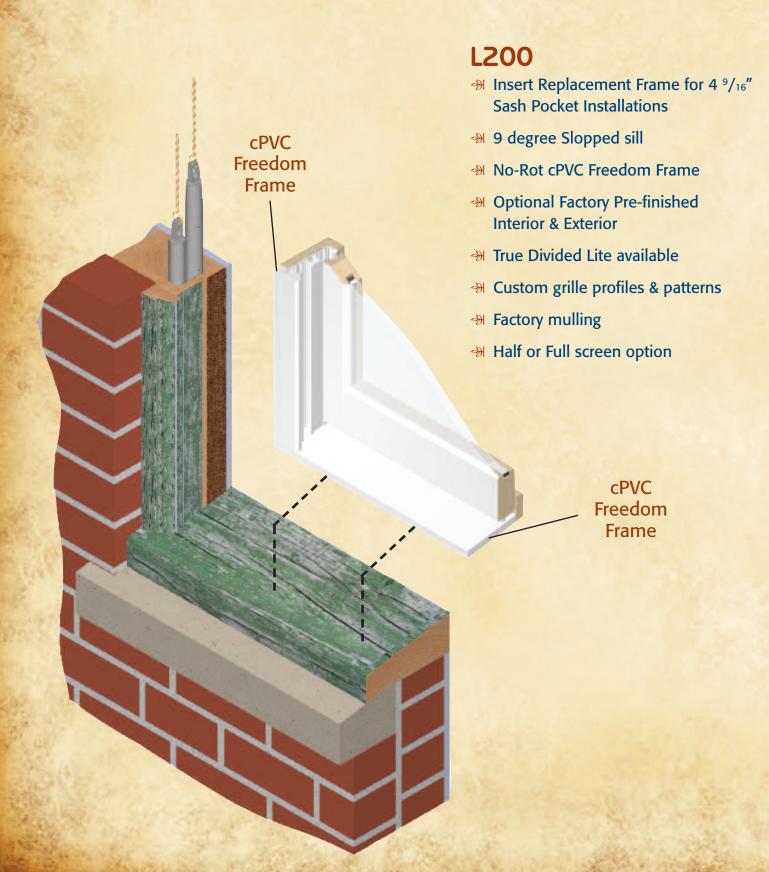
L300

Remodeling or New Construction

Series L300 / L300S available custom sized in 4 9/16" jamb for masonry or rough opening installation & with choice of Brickmould Style (see pages 17 & 18).

- Standard 4 9/16" jamb
- Bottom of sill is flat
- 1 1/8" sill thickness
- Interior and exterior height are the same
- · Optional 4" bottom rail
- Available with optional 1 3/4" Historic sill nose
- · Features No-Rot Freedom Frame

POCKET INSERT DOUBLE HUNG



REMODELING DOUBLE HUNG

L300

- → For new openings or remodeling installations with complete frame "tear-out"
- 12 No-Rot cPVC Freedom Frame Brickmould styles to choose from or custom profile
- → No-Rot cPVC Freedom Frame
- → True Divided Lite available
- Applied extension jambs
- → Custom grille profiles & patterns
- Factory mulling with Historic spread mull options
- Freedom Frame accepts Snap-in folding Nail-Flange
- → Snap-Fit brickmould profiles available
- Optional Factory Pre-finish Interior & Exterior
- → Factory mulling with continuous sill up to 12'

cPVC Freedom Frame



SEGMENTED ARCH

Custom cPVC & Wood for Replacement, Remodeling and Certified Historic Rehabilitation

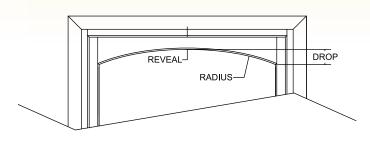
- Pine or Mahogany
- · Custom brickmould
- · Replication of mullion details
- High Performance Glass

- True Divided or Simulated Divided Lite Systems
- Radius Casing
- Prefinishing

LRS-400

Square Frame / Arched Sash

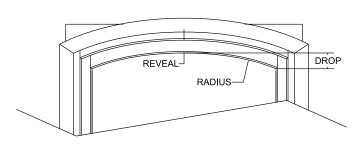




LRS-400RB

Square Frame / Arched Sash with Radius Brickmould





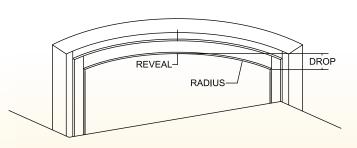
LRF-400

Arched Frame with Arched Sash





*For Curved Casing Options, see page 22.



CNC milling technology ensures the quality of intricate designs can be repeated accurately.



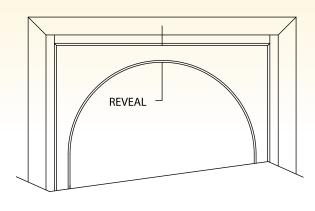
HALF ROUND

Custom cPVC & Wood for Replacement, Remodeling and Certified Historic Rehabilitation

LRS-500

Square Frame / Half Round Sash

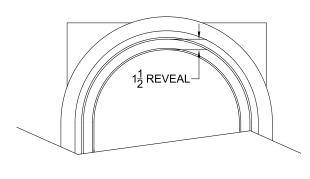




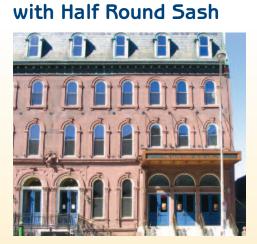
LRS-500RB

Square Frame /
Half Round Sash
with Radius
Brickmould

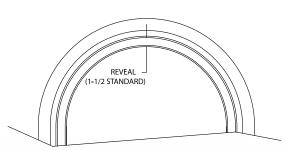




LRF-500 Half Round Frame







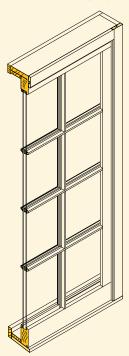


A custom radius can be achieved to match existing openings by providing the drop and reveal or radius.

TrimLine's Liberty Wood Series products are used on Historic Certified Rehabilitation sanctioned by the National Park Service

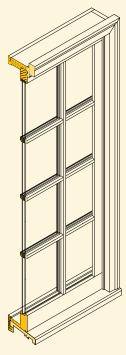
PICTURE WINDOWS

LPW200



For Sash Pocket Insert Installations

LPW300



For Complete Tear-Out Installations or New Openings



combination units that will suite any style home. Decorative Glass can also be used to create a unique look (see page 19 for designs).

CASEMENT / AWNING SERIES



LC4000 casement in optional solid mahogany interior with antique brass hardware and ⁵/₈" wooden removable grille with snap-fit surround frame.

The multi-point locking system features a single lock handle conveniently located at the bottom of the sash for hard to reach windows.

(Shown in brass finish)



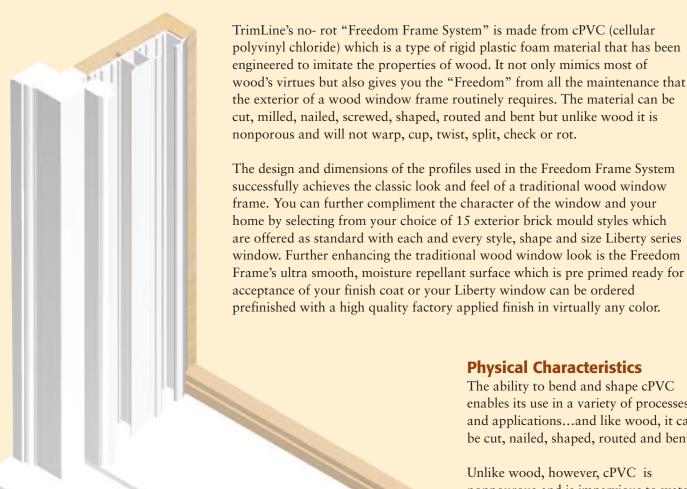


The concealed 2-bar 'Washability Hinge" is tamper resistant and allows for quick and precise sash realignment within the window frame. The snap-ring detach feature also allows for quick sash removal. A nylon shoe slides along the stainless steel hinge track providing self cleaning action for longer life. Egress and 4-bar hinges are also available.



The multi-point lockbar features adjustable self-locating lock points for maximum pull-in capability of the sash against the weather stripping to prevent water and air infiltration.

New and Improved - No-Rot cPVC Freedom Frame System



Green Fact: cPVC products are recycleable at the end of their useful lives

Shown with optional 1 3/4" Historic sill and 908 brickmould.

enables its use in a variety of processes and applications...and like wood, it can be cut, nailed, shaped, routed and bent.

nonpourous and is impervious to water and therefore will not warp, split, twist, check or decay.

Low Maintenance

cPVC is resistant to weathering and unlike wood is impervious to water and therefore will not absorb moisture, which is the main cause for repainting and repairing wood. Moisture absorption makes wood swell and with subsequent drying, expansion and contraction, it is what causes paint to peel, flake, and crackle.

Fire Properties

cPVC is typically very difficult to ignite and tends to self-extinguish when not in a directly applied flame.

WOOD SPECIES & FINISHING OPTIONS

All wood components are milled to precision and treated with a wood preservative and are paintable or stainable to match your existing woodwork and room décor.

Factory Priming and Prefinishing Available

- Standard Primed Exterior
- Optional Primed Interior
- · Optional Prefinished Interior and Exterior





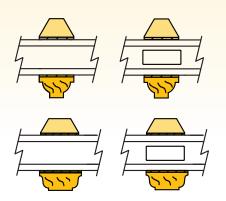
At the heart of Trimline's prefinishing process is the Prime Heat HalCon curing tunnel which uses halogen short wave heating elements to convert electrical energy into infrared, which penetrates deeper and faster into the finish coating thereby promoting a more durable and consistently smoother finish by curing from the inside out.

Green Fact:

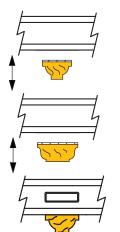
Non-hazardous by EPA does not contain lead or chromates. TrimLine Windows utilizes a high-performance Hydro-Flex PIR (Heat Reflective) polyurethane top coat formulated with heat reflective pigments and adhesion promoting additives to provide outstanding coverage, excellent durability and minimizes heat gain on dark colors. Virtually ANY custom color is available.



GRILLE OPTIONS

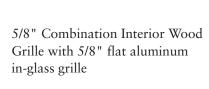


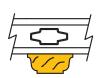
5/8" or 7/8" applied exterior extruded cPVC muntin with applied or removable wood interior grille; optional bronze spacer bar also available.



5/8" Removable Interior Wood Grille

7/8" Removable Interior Wood Grille





7/8" Combination Interior Wood Grille with 3/4" profile aluminum in-glass grille



5/8" Flat in Glass grille with an extruded cPVC 5/8" exterior grille



3/4" Profile in-glass grille



5/8" Flat in-glass grille



1 1/8" True Divided Lite



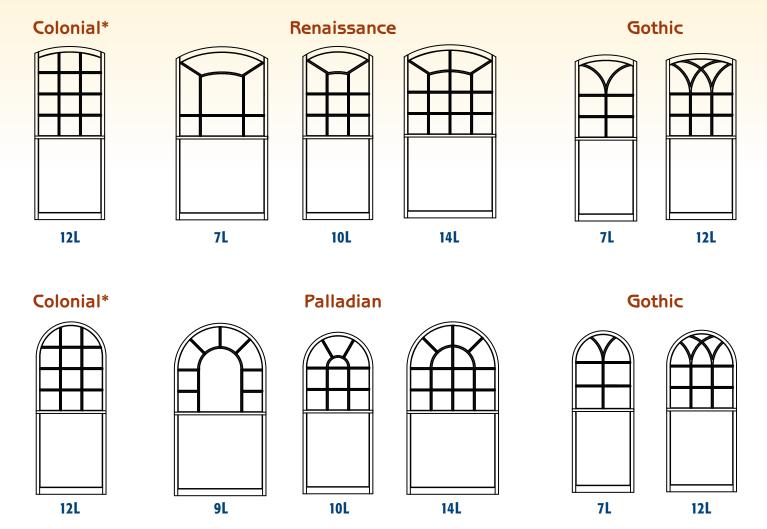






GRILLE PATTERNS

Available In-glass & SDL Permanent Grille Only (5/8" or 7/8)



^{*}Internal Bronze spacer bar available only in Colonial pattern.







Double Hung Hardware Styles & Colors















Routed Finger Lift Option

E-Z Tilt Sash Release Latches

EZ Tilt sash with locking pivot shoe for safe, easy cleaning and sash removal.



CASEMENT HARDWARE FINISHES

Standard Colors

Architectural Finishes



White



Chrome



Oil Rubbed Bronze



Earthtone



Brass



Brushed Nickel



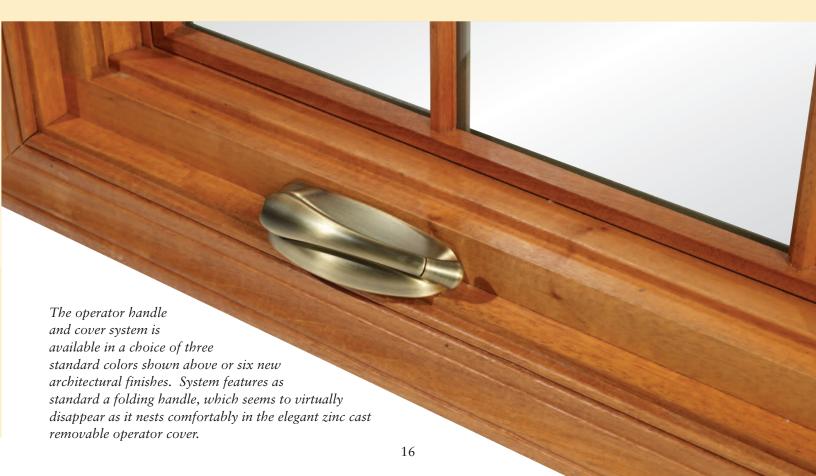
Beige



Antique Brass



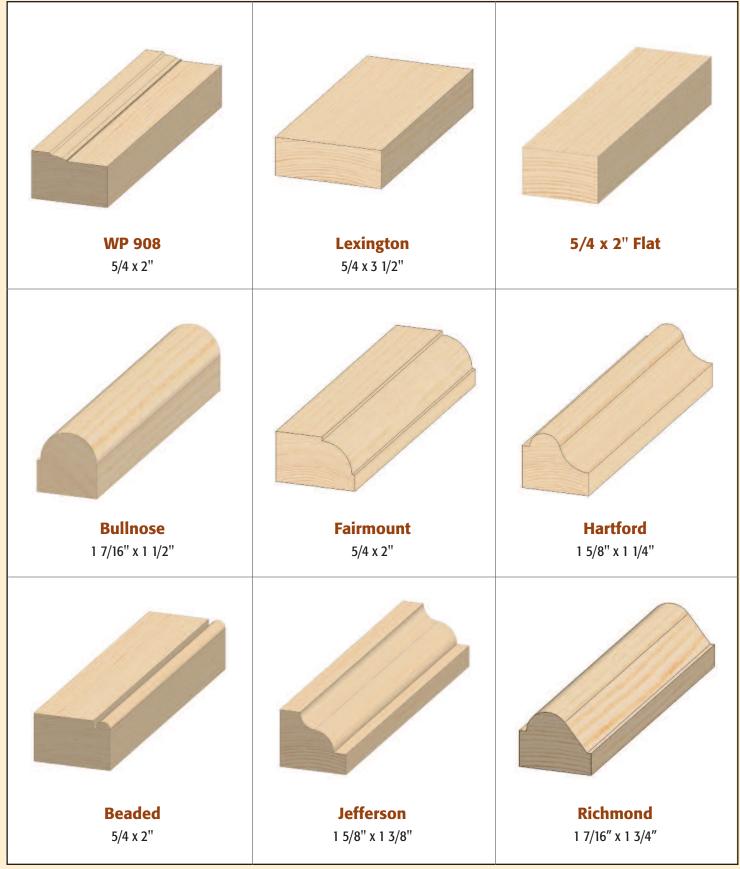
Brushed Chrome



Freedom Frame Brickmould Options

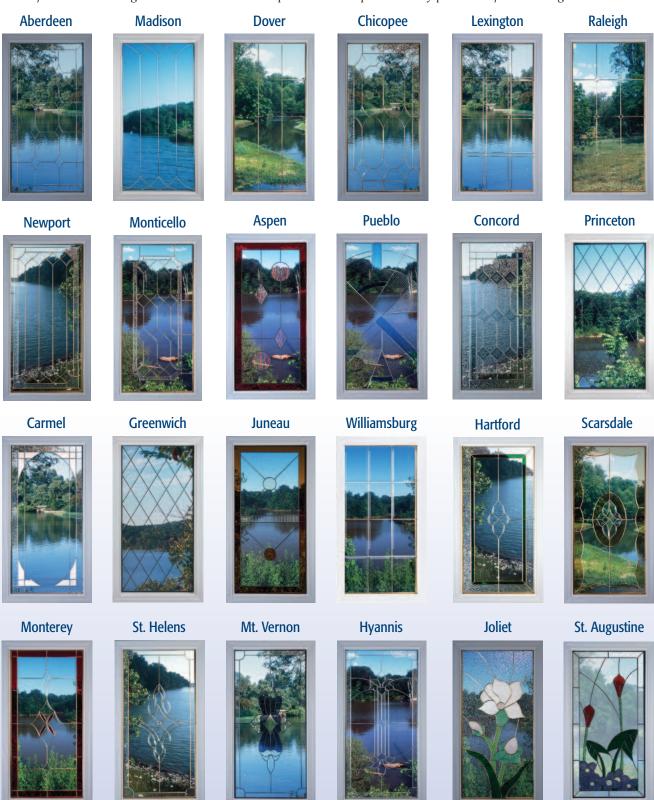


Wood Brickmould Options



DECORATIVE GLASS OPTIONS

All decorative art glass panels are triple insulated for added warmth and energy savings; sealed between two sheets of clear annealed glass the leaded / beveled panel insert is permanently protected from damage and dirt.



^{*}Tempered bronze, grey and green tinted glass is available on all product lines as well as laminated glass for security, safety and sound control, to keep more of the noise outside.

SCREEN OPTIONS

Standard Full Screen for maximum top/bottom ventilation. Optional half screen also available.

Both screen systems standard with 18 x 16 charcoal fiberglass screen cloth or optional wire screen mesh.

Optional Interior Sliding Half Screen available to satisfy Historical Requirements (Furnished with a Routed Finger Lift Option only).





Casement Screens

Now Available in Pine or Mahogany finish. Ready for paint or stain.



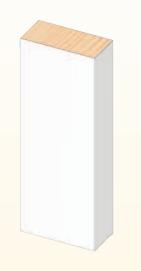


Standard screen frame colors are available in your choice of Black, White, Earthtone, Hunter Green, Bronze, Gold, and Beige



Pine

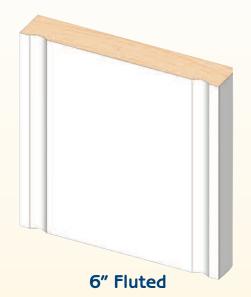
Exterior Mullion Covers







4 1/2" Beaded



4" - 9" MULL AVAILABLE
(5" SHOWN)

STANDARD ZERO
CLEARANCE MULLION

Multiple lite units up to 144" will have a continuous sill.

To achieve the simulated look of authentic weight boxes at the center mullion, multiple units can be combined with an exterior spread mullion cover.

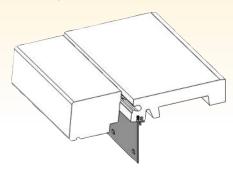
Jambliner

Vinyl jambliners are available in beige or white.

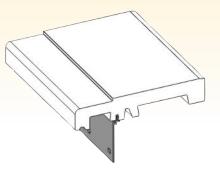


HISTORIC OPTIONS

Historic Sills

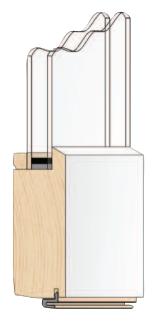


Optional 1 3/4" Sill Nose

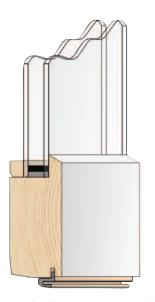


Standard 1 1/8" Sill Nose

Historic Rails



Optional 4" Bottom Rail



Standard 3 1/4" Bottom Rail

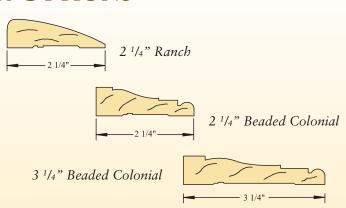


All Liberty Wood Series products are available natural wood in pine or mahogany in lieu of cPVC Freedom Frame.

OTHER OPTIONS

Curved Casings





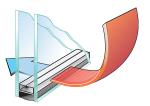
One piece interior arch casings are available in $2^{1/4}$ " wide Ranch style or Beaded Colonial in both $2^{1/4}$ " and $3^{1/4}$ " widths.

WARM EDGE SUPER SPACER

Super Spacer®

- 100% Structural Foam
- Contains No Metal
- Extreme dual-seal Durability
- TrueWARM® Technology
- Advanced multi-layer vapor barrier structure
- 3/4" Insulating Glass

Heat flows from where it's hot to where it's not







NO-Metal Foam Spacer

FACT: Lowest Stress System

Metal Spacers

Metal spacer is rigid. Seal stress results in seal failure

NO-Metal Super Spacer®

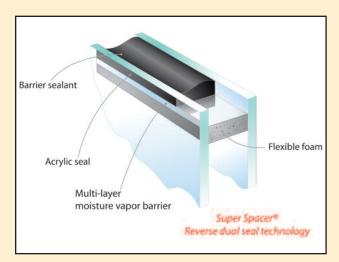
Flexible spacer resists stress. No seal failure

Warm Edge refers to the type of spacer material used to separate the panes of glass in a insulating unit. Many of today's energy efficient windows offer glass packages touting "Warm Edge Technology." The problem is these new windows often use thermally conductive metal-based spacers in their insulating glass systems. The world's only True Warm® edge occurs with Super Spacer®, an insulating foam spacer whose use allows for comfortable humidity levels and the least likelihood of condensation and mold growth, the occurrence of which has more and more been linked to a myriad of health problems.

Keep moisture off the glass with the warmest inside surface temperature possible.







Trimline's Comfort Plus Low E Glass regulates your home's temperature to help keep you cool when it's hot and warm when it's not.

Homeowner Benefits

- Increased comfort any climate, any season
- · Reduced heating and cooling bills
- Protection from damaging UV rays that can fade carpets, walls and furniture
- Color neutral for crisp, clear views
- Helps keep indoor humidity at comfortable and healthy levels by keeping glass warmer, which in turn minimizes health issues from mold and mildew
- Virtually eliminates condensation
- · Helps homes stay cooler in the summer & warmer in the winter
- When combined with double strength glass Super Spacer® substantially reduces outside noise.

Size Limitations							
	Min. Width	Min. Height	Max Width	Max Height	Max U.I.		
Double Hung	14" 24"		48"	84"	132"		
Single Hung	14"	24"	54"	96"	132"		
Picture	14"	14"	84"	96"	156"		

AAMA & NFRC

		NFRC Thermal Performance					AAMA/NWWDA 101/I.S. 2-97 Structural Performance				
		U-Factor		SHGC		V.T.			Air	Design Pressure	Performance Class-Grade
		Grids None or with		Grids		Grids		CRF	Infiltration cfm/ft^2		
			with TDL	None	with TDL	None	with TDL	J	Cilifit 2	riessuie	Class-Claue
LIBERTY SERIES											
DOUBLE HUNG											
L200 L200A	Clear	.45	.47	.55	.43	.57	.44	43	.03	DP-40	R-40
L200H	Low E Argon	.29	.34	.27	.22	.49	.38	57			
L300 LRS400 LRS500	Clear	.45	.47	.53	.42	.56	.43	43	08	DP-35	LC-35
LRF400 LRF500	Low E Argon	.29	.34	.27	.24	.48	.37	57			
PICTURE WIN	IDOW										
L200PW	Clear	.44	.46	.59	.47	.62	.48	45	- < .01	DP-40	CW-40
	Low E Argon	.27	.32	.30	.24	.53	.42	61			
L300PW	Clear	.44	.46	.57	.45	.60	.47	45	<.01	DP-40	CW-40
LSOUPVV	Low E Argon	.27	.32	.29	.23	.52	.40	61			
ULTRA-FIT											
Heritage Federal	Clear	.47	.48	.53	.42	.56	.43	43	ASTM E330 - NO GLASS BREAKAGE		
Presidential Congressional	Low E Argon	.30	.35	.27	.21	.48	.37	57	ASTM E547	ASTM E547 - NO WATER LEAKAGE	

Knowing the Facts About Energy Star – U-Factor (U-Value)

Energy Star windows reduce household energy bills by 7-15 percent. The rate of heat loss through a window is determined by the U-Factor (U-Value). The lower the U-Value number, the better the insulating properties. In the same spectrum, the better the insulating properties, the more money will be saved on heating and cooling costs. When windows account for almost one-quarter of household energy, investing in Trimline's Ultra-Fit product line is a perfect solution.

windows gy, investing ution. Northern Northern South-Central Southern

Climate Zone U-Factor1 ≤0.30 Any Prescriptive =0.31 ≥ 0.35 Equivalent Energy Performance ≥ 0.40 =0.32 North-Central ≤0.32 ≤ 0.40 ≤ 0.30 ≤0.35

≤0.60

≤ 0.27

Windows

Southern

1 Btu/h.ft².°F

² Fraction of incident solar radiation

Contact Us

Located in suburban Philadelphia, Trimline Windows has been manufacturing quality custom clad wood and all wood windows for use in replacement, remodeling and historically certified rehabilitation projects for nearly 50 years. Trimline offers one of the broadest product lines in the replacement window and remodeling industry.







Need Help Finding a Dealer?

We're here to help you!

800.213.6100 trimlinewindows.com



TRIMLINE WINDOWS, INC.

NONPRORATED, LIMITED 10/20 YEAR WOOD WINDOW WARRANTY

Trimline Windows, Inc. warrants its Legends Clad Wood, and Liberty All Wood/cPVC windows and Ultra-Fit Sash Replacement kits to be free from material defects for the period(s) as set forth below:

WHO IS COVERED

This limited warranty extends to the original purchaser of the window for the period(s) as described below from the purchase date of the window.

WHAT IS COVERED

The vinyl and aluminum extrusions and wood components used in the window are warranted to be free from defects under normal use and service and are warranted not to pit, rot, rust, flake, corrode, peel or blister for ten (10) years from date of purchase.

The insulating glass is warranted against defects resulting in material obstruction of vision from film formation, dust collection or moisture collection within the sealed glass for twenty (20) years from date of purchase, non square and decorative/leaded insulated glass is warranted for five years.

The hardware and other components or accessories are warranted against defects under normal use, care and cleaning for ten (10) years from date of purchase.

Repairs of any defects that arise or become manifest after the expiration of the warranty period are not the responsibility of Trimline Windows, Inc.

WARRANTY CLAIM PROCEDURE

Any claims of defects under this warranty are to be made in writing to Trimline Windows, Inc., Ginkgo Industrial Park, 50 Louise Drive, Ivyland, PA 18974, Attn: Warranty Claim Dept. Claims should be made within ten days of the discovery of the suspected defect. Included with the claim must be a copy of this warranty showing installing contractor's name and date of installation and proof of original purchase date.

If the windows are found to be in nonconformance with the terms of this warranty, Trimline Windows, Inc. agrees, at its option, to repair or replace the defective part(s). Field service costs to repair or replace defective part(s) will not be charged by Trimline Windows, Inc. for a period of one year following the date of original purchase. After the first year Trimline Windows, Inc. will not be responsible for any field service labor or transportation costs incurred in the repair, removal, replacement, installation of the window or any window component. Service calls will be charged at the then prevailing rate for labor and mileage.

REPLACEMENT PARTS

Trimline Windows, Inc. reserves the right to discontinue or change any of its products or the parts utilized in any of its products at its sole discretion. If any window product or component originally installed in the building is not available at the time of any claim by you under this warranty, Trimline Windows, Inc. reserves the right to substitute any other model or component as a replacement.

EXCLUSIONS

Trimline Windows, Inc. does not warrant installation or claims caused by installation. This warranty covers manufacturing defects only and does not include damage or defects due to normal weathering, fading, accidents or intentional damage, hail, lightening, flood, fire, acts of God, building settlement or structural failure, chemical pollutants, mildew, improper maintenance, vandalism or any other cause beyond the control of Trimline Windows, Inc. This warranty does not cover windows where the cladding has been painted, varnished or coated with any substance by the consumer.

Broken glass and screens are not covered.

This warranty covers glass imperfections as described in Federal Government Glass Specifications DD-04516.

Condensation of moisture on the exterior surfaces of the sealed glass in the window may occur as a natural result of excessive humidity within the building area. Changes in interior and exterior temperatures may also cause condensation. It does not indicate a window defect and is not covered by this warranty.

WINDOW defect and is not covered by this warranty.

THE MANUFACTURER WILL HAVE NO LIABILITY BEYOND REPAIR OR REPLACEMENT AND EXPRESSLY WILL HAVE NO LIABILITY FOR ANY LOSS OF TIME, INCONVENIENCE, LOSS OF USE, PERSONAL INJURY, PROPERTY DAMAGE, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE. THIS WARRANTY IS THE ONLY ONE WHICH THE MANUFACTURER MAKES AND IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THE PROVISIONS OF THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE PURCHASER. EXCEPT THROUGH WRITTEN AGREEMENT FROM THE MANUFACTURER, NO REPRESENTATIVE HAS ANY POWER OR AUTHORITY TO MAKE ANY ALTERATIONS TO THIS WARRANTY OR ANY PROMISE OR REPRESENTATIONS OTHER THAN THOSE CONTAINED IN THIS WARRANTY. THIS WARRANTY CONTAINS THE ENTIRE AGREEMENT BETWEEN THE PARTIES.

Some states do not allow limitation on how long a warranty lasts or the exclusion of incidental or consequential damage, so the above limitation or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state. This warranty shall be governed by the laws of the Commonwealth of Pennsylvania.

DEALER	
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ADDRESS OF INSTALLATION	
PURCHASER	
REGISTRATION #	



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