Andersen WINDOWS • DOORS

400 SERIES
WINDOWS • DOORS

Minnetonka Construction

CERTIFIED CONTRACTOR
952.960.0540
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400 SERIES WINDOWS & PATIO DOORS

As our most popular and longest-standing product line, the 400 Series brings you the best overall blend of performance and style to satisfy just about any window or patio door need. With years of engineering and craftsmanship to build on, 400 Series windows and patio doors are designed to live up to your high standards. Plus with a broad array of shapes, style and colors to choose from, you can achieve the style you've envisioned for your home while having peace of mind knowing they're backed by our renowned Owner-2-Owner® limited warranty. With Andersen® 400 Series products, have confidence knowing you will be getting the quality and performance in which Andersen built its reputation. For more information, visit **andersenwindows.com/400series**.

Andersen WINDOWS • DOORS

MATCH ANY HOME DESIGN

From contemporary design to traditional and classic architecture, 400 Series products offer a time-tested blend of engineering and craftsmanship, combined with a variety of style options that can elevate a classic wood window into a stunning focal point in any home style. Visit our Home Style Library at **andersenwindows.com/stylelibrary**.

400 Series casement, awning and picture windows with black interiors.

CONTEMPORARY DESIGN

Contemporary home design embraces minimalism and simplicity – clean lines, glass that stretches floor-to-ceiling and sleek, dark colors. Large windows and combinations allow you to enjoy stunning vistas and bring the outdoors in.

CASEMENT & AWNING WINDOWS

Enhance your view and create stunning combinations by grouping together casement and/or awning windows.

Casement windows hinge on the side and crank open outward allowing for full top to bottom ventilation.

Awning windows are hinged at the top and open outward from the bottom allowing for ventilation and protection from the rain.

– Low-maintenance Perma-Shield® exterior cladding protects the unit and offers long-lasting* weathertight performance

– Smooth control hardware allows for easy operation with the simple turn of the handle

– Single-actuation lock secures casement windows at multiple points with a single handle and features a "reach out" action that pulls the sash in for a weathertight seal

– Available in custom sizes for replacement projects

400 Series casement and Flexiframe windows with black interiors.

SPECIALTY WINDOWS

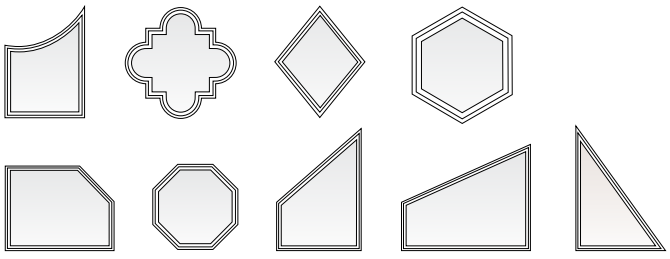
Create large combinations with specialty windows to maximize light and view.

Specialty windows are stationary windows that come in a variety of uncommon shapes, including elegant arches, striking angles and compelling curves to add curb appeal or enhance the character of your home.

Flexiframe® windows are designed in nearly any shape made with straight lines, provided no angle is less than 14 degrees.

– Low-maintenance Perma-Shield exterior cladding protects the unit and offers long-lasting* weathertight performance

– Available in custom sizes



Examples of available shapes.

For contemporary patio door options, visit **andersenwindows.com/doors**.

*Visit andersenwindows.com/warranty for details.

400 Series Woodwright® double-hung insert windows with oak interiors.

TRADITIONAL DESIGN

Traditional home design remains true to the history, authenticity and character of home styles that date back decades or even centuries. The classic design of Andersen® 400 Series windows and patio doors complement traditional style homes.

DOUBLE-HUNG WINDOWS

Bring fresh air in while not interfering with patios or walkways. Plus, with tilt-in features, cleaning double-hung windows from inside your home is easy.

Woodwright® double-hung windows are built with authentic craftsmanship to help replicate the look of classic architecture. They allow you to retain or add charm to your home with beautiful wood interiors and an array of style options.

Tilt-Wash double-hung windows offer classic styling with thinner profiles and the perfect balance of modern and traditional design. Their classic blend of engineering and craftsmanship, along with energy efficiency, make them our best-selling double-hung window.

Double-hung windows have two operating sash (glass panels) that move up and down allowing for ventilation on the top, bottom or both.

- Low-maintenance exterior cladding protects the unit while wood interiors offer beauty and warmth
- Dual layer weatherstripping helps seal out dust, wind and water
- Available in custom size insert windows for easy replacement or full-frame windows for new construction and remodeling projects

400 Series Frenchwood gliding door with pine interior.

PATIO DOORS

Designed to bring nature's beauty inside while enhancing the style and personality of your home.

Frenchwood® hinged inswing patio doors are designed to open into a room and save space for smaller exterior areas.

Frenchwood gliding patio doors are ideal for any climate, they glide horizontally so not to interfere with your room.

- Experience smooth, long-lasting* operation with adjustable ball-bearing rollers and a durable stainless-steel capped track on gliding doors. Hinged doors feature adjustable hinges, so you can easily fine tune the position of our door panel.
- Weatherstrip is designed to seal our air and water infiltration
- Secure locking systems tighten the door against the frame for improved security and weather protection
- Optional blinds-between-the-glass offer privacy and are protected from dust and damage and never need cleaning
- Available in custom sizes for replacement projects

*Visit andersenwindows.com/warranty for details.

GLASS OPTIONS

Glass can affect energy efficiency more than any other part of a window or patio door — and not all glass performs the same. Andersen offers one of the industry's widest array of glass options, so you're sure to find the right choice for your climate and your home. Choose from these High-Performance glass options.

GLASS		ENERGY		LIGHT	
		U-FACTOR How well a product prevents heat from escaping.	SOLAR HEAT GAIN COEFFICIENT How well a product blocks heat caused by sunlight.	VISIBLE LIGHT TRANSMITTANCE How much visible light comes through a product.	UV PROTECTION How well a product blocks ultraviolet rays.
SmartSun™	Thermal control similar to tinted glass, with visible light transmittance similar to Low-E4 glass.	●●●○	●●●●	●●◐○	●●●●
SmartSun with HeatLock® Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factors.	●●●◐	●●●●	●●○○	●●●●
Low-E4®	Outstanding overall performance for climates where both heating and cooling costs are a concern.	●●●○	●●●○	●●●○	●●●○
Low-E4 with HeatLock Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factors.	●●●◐	●●●○	●●◐○	●●●○
Sun	Outstanding thermal control in southern climates where less solar heat gain is desired.	●●●○	●●●●	●○○○	●●●○
PassiveSun®	Ideal for northern, passive solar construction applications where solar heat gain is desired.	●●◐○	●○○○	●●●○	●●●○
PassiveSun with HeatLock Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factors.	●●●○	●○○○	●●◐○	●●●○
Clear Dual-Pane	High visibility with basic thermal performance.	●○○○	○○○○	●●●●	○○○○

Center of glass performance only. Ratings based on glass options as of March 2019. Visit andersenwindows.com/energystar for ENERGY STAR® map and NFRC total unit performance data.

ASK ABOUT ENERGY STAR

Additional glass options are also available.
Visit **andersenwindows.com/glass** or see your Andersen supplier.

ADDITIONAL GLASS OPTIONS

BLINDS-BETWEEN-THE-GLASS are available on select Frenchwood® gliding and hinged patio doors

TEMPERED safety glass, standard on patio doors

LAMINATED glass for added strength, enhanced security and sound control

PATTERNED glass lets in light while obscuring vision and adds a unique, decorative touch. Cascade and Reed patterns can be ordered with either a vertical or horizontal orientation.

Cascade Fern Obscure Reed

Cascade and Reed patterns can be ordered with either a vertical or horizontal orientation.

ART GLASS

With art glass from Andersen, you can add interest, create focal points and make your work stand out. These finely crafted inserts are available in two distinctly different series — Classic and Artisan — to complement any home's architecture. Visit **andersenwindows.com/artglass** for more information.

STORMWATCH® PROTECTION

Most Andersen 400 Series windows are available with impact-resistant glass and structural upgrades to meet the tough building codes of hurricane-prone coastal areas. See your local code official for specific requirements. Visit **andersenwindows.com/coastal** for more details.

StormWATCH PROTECTION

*Andersen 400 Series products only with SmartSun glass with HeatLock coating (argon gas blend), no grilles, no capillary breather tubes. Excludes patterned/textured glass.

400 Series casement, awning, picture and Flexiframe® windows with black exteriors.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS

Our Perma-Shield® exterior cladding system, a time-tested Andersen innovation, offers low maintenance and durability while also providing an attractive appearance.

White | Canvas | Sandtone | Terratone | Forest Green | Dark Bronze | Black

INTERIOR OPTIONS*

The interiors of all 400 Series windows and patio doors are available in unfinished stain-grade pine or with a long-lasting,** low-maintenance white finish. Select windows are also available with a dark bronze or black* finish. 400 Series Woodwright® windows and Frenchwood® patio doors are also available with unfinished oak or maple interiors.

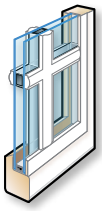
Pine | Oak | Maple | White | Dark Bronze†‡ | Black†‡

Design your window at
andersenwindows.com/design-tool

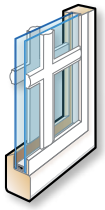
*Some products are not available in all colors or wood species. See your Andersen supplier for details.
**Visit andersenwindows.com/warranty for details.
†Dark bronze and black interior units have matching exteriors.
‡Not available on 400 Series Woodwright double-hung windows.
Printing limitations prevent exact replication of color and finishes. See your Andersen supplier for actual color and finish samples.

GRILLE OPTIONS

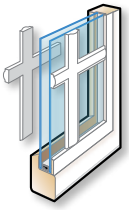
A variety of grille patterns, widths and configurations fit any architectural style and help you create your vision. When remodeling or replacing, they play an important role in preserving the style of your home which is why we also offer custom patterns.



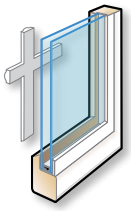
Permanent exterior
Permanent interior with spacer



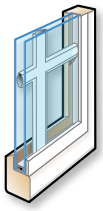
Permanent exterior
Permanent interior



Permanent exterior
Removable interior



Removable interior



Finelight Grilles-Between-the-Glass*

FULL DIVIDED LIGHT

Permanently applied to the exterior and interior of the window with a spacer between the glass.

SIMULATED DIVIDED LIGHT

Permanent grilles on the exterior and interior with no spacer between the glass. We also offer permanent exterior grilles with removable interior grilles.

CONVENIENT CLEANING OPTIONS

Removable interior grilles come off for easy cleaning. Finelight™ grilles-between-the-glass are installed between the glass panes and feature a contoured profile in 1" and ¾" widths.

GRILLE BAR WIDTHS

Cross sections of grilles showing standard widths and profiles.

¾" ⅞" 1⅛" 2¼"

INSECT SCREEN OPTIONS

Choose our TruScene® insect screen for a beautifully unobstructed view with 400 Series windows. Truscene insect screens provide more than 50% greater clarity than our conventional insect screens and they let in more fresh air and sunlight, while doing a better job of keeping out small insects.

Conventional aluminum insect screens are also available for 400 Series windows. 400 Series patio doors are available with conventional fiberglass insect screens.

*⅞", 1⅛" and 2¼" not available in Finelight grilles-between-the-glass.

400 Series picture windows with white interiors and full divided light grilles in black.

400 Series casement, awning and picture windows with black interiors.

400 Series casement and transom windows with black interiors.

WINDOW HARDWARE*

Whether replacing, remodeling or building new, our hardware options enhance your home's decor. Choose from a variety of styles ranging from traditional and classical to simple and contemporary. For peace of mind, VeriLock® security sensors and Wireless Open/Close sensors are available on select products. To learn more, visit **andersenwindows.com/connect**.

WOODWRIGHT® DOUBLE-HUNG

STANDARD
Lock & Keeper

Antique Brass | **Black** | Bright Brass
Brushed Chrome | Distressed Bronze | Distressed Nickel
Gold Dust | Oil Rubbed Bronze | Polished Chrome
Satin Nickel | Stone | White

TILT-WASH DOUBLE-HUNG

STANDARD
Lock & Keeper

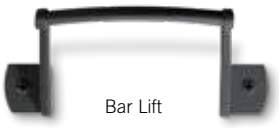
Standard: Stone | White
Optional: Black | **Gold Dust**

ESTATE™
Lock & Keeper

Antique Brass | **Bright Brass** | Brushed Chrome
Distressed Bronze | Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

Estate lock and keeper is available only for
400 Series tilt-wash double-hung windows.

DOUBLE-HUNG SASH LIFTS



Bar Lift

Finger Lift

Hand Lift

TRADITIONAL

Antique Brass | Black | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Gold Dust | **Oil Rubbed Bronze**
Polished Chrome | Satin Nickel | Stone | White

Bar Lift

Finger Lift

Hand Lift

CLASSIC™

Stone | **White**

Classic double-hung sash lifts are only available for
400 Series Woodwright® double-hung windows.

Bar Lift

Finger Lift

Hand Lift

CONTEMPORARY

Antique Brass | Black
Bright Brass | Brushed Chrome
Distressed Bronze | **Distressed Nickel**
Gold Dust | Oil Rubbed Bronze
Polished Chrome | Satin Nickel
Stone | White

ESTATE

Antique Brass | **Bright Brass** | Brushed Chrome
Distressed Bronze | Distressed Nickel
Oil Rubbed Bronze | Polished Chrome | Satin Nickel

Estate double-hung sash lifts are only available for
400 Series Woodwright double-hung windows.

GLIDING WINDOW

Antique Brass | Black
Bright Brass | **Brushed Chrome**
Distressed Bronze | Distressed Nickel
Oil Rubbed Bronze | Polished Chrome
Satin Nickel | Stone | White

CASEMENT & AWNING

CONTEMPORARY FOLDING

Black | Bright Brass | Gold Dust
Oil Rubbed Bronze | **Satin Nickel**
Stone | White

TRADITIONAL FOLDING

Antique Brass | Black | Bright Brass | **Distressed Bronze**
Distressed Nickel | Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

Folding handles avoid interference with window treatments.

ESTATE™

Antique Brass | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel
Oil Rubbed Bronze | Polished Chrome | Satin Nickel

CLASSIC™

Stone | **White**

*Hardware is sold separately, except standard hardware.
Bold name denotes finish shown.
Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.
Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

PATIO DOOR HARDWARE

400 Series patio door hardware is available in a variety of designs to match virtually any style. Additional hardware options such as exterior keyed locks and matching hinge finishes are also available.

YUMA®

Distressed Bronze
Distressed Nickel

ENCINO®

Distressed Bronze
Distressed Nickel

NEWBURY®

Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel

ANVERS®

Bright Brass
Oil Rubbed Bronze
Satin Nickel

COVINGTON™

Antique Brass
Bright Brass
Oil Rubbed Bronze

WHITMORE®

Antique Brass
Bright Brass
Oil Rubbed Bronze
Satin Nickel

ALBANY

Black
Gold Dust
Stone
White

TRIBECA®

Stone
White

Bold name denotes finish shown.

HARDWARE FINISHES

FSB® HARDWARE

Durable, stainless steel FSB hinged door hardware features clean lines and a sleek satin finish for a thoroughly modern look.

Hardware sold separately.
Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.
Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty.
Matching hinges available in most finishes for inswing patio doors.
Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.
"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.

COMPARISON CHART

Use the quick reference chart below to decide which Andersen® 400 Series products best fit your project needs.

	WINDOWS								PATIO DOORS	
FEATURES	WOODWRIGHT® DOUBLE-HUNG FULL-FRAME	WOODRIGHT DOUBLE-HUNG INSERT	TILT-WASH DOUBLE-HUNG FULL-FRAME	TILT-WASH DOUBLE-HUNG INSERT	NARROLINE® CONVERSION KIT	CASEMENT	AWNING	GLIDING	FRENCHWOOD® GLIDING	FRENCHWOOD HINGED INSWING
LOW-MAINTENANCE EXTERIORS										
White	●	●	●	●	●	●	●	●	●	●
Canvas	●	●	●	●		●	●	●		
Sandtone	●	●	●	●	●	●	●	●	●	●
Terratone	●	●	●	●	●	●	●	●	●	●
Forest Green	●	●	●	●		●	●	●	●	●
Dark Bronze	●	●	●	●		●	●	●		
Black	●	●	●	●		●	●	●		
INTERIORS										
Maple	●	●							●	●
Oak	●	●							●	●
Pine	●	●	●	●	●	●	●	●	●	●
White	●	●	●	●	●	●	●	●	●	●
Sandtone								●		
Dark Bronze			●	●		●	●	●		
Black			●	●		●	●	●		
EASY CLEANING										
Tilt-to-Clean Sash	●	●	●	●	●					
GRILLES & BLINDS										
Full Divided Light	●	●	●	●	●	●	●	●	●	●
Simulated Divided Light	●	●	●	●	●	●	●	●	●	●
Finelight™ Grilles-Between-the-Glass	●	●	●	●	●	●	●	●	●	●
Removable Interior Grilles	●	●	●	●	●	●	●	●	●	●
Blinds-Between-the-Glass									●	●
HIGH-PERFORMANCE GLASS Additional glass options are available. See page 8 for details. For patio doors, all glass options are tempered.										
Low-E4®	●	●	●	●	●	●	●	●	●	●
Low-E4 Sun	●	●	●	●	●	●	●	●	●	●
Low-E4 SmartSun™	●	●	●	●	●	●	●	●	●	●
Clear Dual-Pane						●	●			
HeatLock® Coating	●	●	●	●	●	●	●	●	●	●
PERFORMANCE OPTION										
Stormwatch® Protection	PG Upgrade		●			●	●			
SMART HOME OPTIONS										
VeriLock® Security Sensors			●	●	●	●	●		●	●
Wireless Open/Closed Sensors	●	●	●	●	●	●	●	●	●	●
STANDARD SIZES										
Minimum Width	1'-9 5/8"	1'-4 1/2"	1'-9 5/8"	1'-9 1/4"	Fits Narroline windows made after 1967	1'-5"	2'-0 1/8"	2'-11 1/4"	4'-11 1/4"	2'-6 1/8"
Maximum Width	3'-9 5/8"	3'-9 5/8"	3'-9 5/8"	3'-8 7/8"		2'-11 15/16"	5'-11 7/8"	5'-11 1/4"	15'-9"	8'-11 1/8"
Minimum Height	3'-0 7/8"	2'-3 3/4"	3'-0 7/8"	3'-0 3/8"		2'-0 1/8"	1'-5"	1'-10 1/4"	6'-7 1/2"	6'-7 1/2"
Maximum Height	6'-4 7/8"	6'-5"	7'-8 7/8"	7'-6 5/8"		5'-11 7/8"	4'-0"	4'-11 1/4"	7'-11 1/2"	7'-11 1/2"
CUSTOM SIZES	●	●	●	●		●	●		●	●

THE ENVIRONMENT HAS A BUSINESS PARTNER.

Respect for the environment is nothing new at Andersen. For more than a century, it's been part of who we are. Our commitment to recycle and reclaim materials began simply because it was good business. Now it's part of our commitment to sustainability and responsible stewardship of all our resources. Andersen is committed to providing you with long-lasting,* energy-efficient windows and doors. Visit **andersenwindows.com/sustainability** for more information.

ASK ABOUT ENERGY STAR

Andersen makes windows and doors with options that make them ENERGY STAR® v. 6.0 certified throughout the U.S.

U.S. GREEN BUILDING COUNCIL MEMBER

Andersen is a charter member of the **U.S. Green Building Council** and a strong supporter of its LEED® (Leadership in Energy and Environmental Design) National Green Building Standard rating system.

WINDOWS • DOORS Andersen AW

*Visit andersenwindows.com/warranty for details.

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