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Class s e r i e s

Emphasizing simplicity, this line of roll-formed aluminum clad wood windows and doors is perfect for new construction desiring a clean overall look.

➢ Crank-Out Casements
➢ Traditional Double Hungs
➢ Traditional Double Hung Replacement Sash Kits
➢ Double & Triple Sliders
➢ Geometric Units
➢ Radius Units
➢ Sliding & Swinging Patio Doors
➢ Inswing & Outswing Entrance Doors
➢ Commercial Doors

Ultra S e r i e s

Features extruded aluminum clad wood windows and doors for either residential or commercial new construction and renovation – providing exceptional performance and style. K-Force® option available for coastal areas requiring hurricane impact performance.*

➢ Crank-Out Casements & Awnings
➢ Push-Out Casements & Awnings
➢ Majesta® Double Hungs
➢ Sterling Double Hungs
➢ Traditional Double Hungs
➢ Magnum Double Hungs
➢ Replacement Pocket Double Hungs
➢ Traditional and Magnum Replacement Sash Kits
➢ Double & Triple Sliders
➢ Geometric Units
➢ Radius Units
➢ Ogee & Beveled Direct Sets
➢ Sliding & Swinging Patio Doors
➢ TerraSpan® Lift & Slide Doors
➢ Folding Doors
➢ Inswing & Outswing Entrance Doors
➢ Commercial Doors

Heritage S e r i e s

Our line of wood windows and doors offering traditional design aesthetics – ideally suited to residential and commercial new construction and renovation. K-Force® option available for coastal areas requiring hurricane impact performance.*

➢ Crank-Out Casements & Awnings
➢ Push-Out Casements & Awnings
➢ Inswing Casements
➢ Majesta® Double Hungs
➢ Sterling Double Hungs
➢ Traditional Double Hungs
➢ Old World Classic Double Hungs
➢ Magnum Double Hungs
➢ Tilt-Turns
➢ Traditional & Magnum Replacement Sash Kits
➢ Double & Triple Sliders
➢ Geometric Units
➢ Radius Units
➢ Sliding & Swinging Patio Doors
➢ Folding Doors
➢ Inswing & Outswing Entrance Doors
➢ Commercial Doors

Class s e r i e s

Emphasizing simplicity, this line of roll-formed aluminum clad wood windows and doors is perfect for new construction desiring a clean overall look.

➢ Crank-Out Casements
➢ Traditional Double Hungs
➢ Traditional Double Hung Replacement Sash Kits
➢ Double & Triple Sliders
➢ Geometric Units
➢ Radius Units
➢ Sliding & Swinging Patio Doors
➢ Inswing & Outswing Entrance Doors

* K-Force option is not available on all products. Please visit our website at www.kolbe-kolbe.com for more information.
Complementary Doors
Entrance doors and interior doors adding the final touch to your project.
➢ Craftsman Collection Doors
➢ Kolbe Advantage Interior Doors
➢ Fiberglass Doors
Offering convenience and plenty of daylight, Kolbe’s casements are also unsurpassed for energy efficiency. Easy to operate folding handles, corrosion resistant hardware and a secure, concealed multi-point locking system all contribute to the integrity of this window. A multitude of styles are available including French, segment head and half-circle top casements.
Operating outward from the bottom, Kolbe’s awning windows offer good ventilation while keeping the exterior elements at bay. Folding operator handles provide easy operation, while sturdy guide bars help to create an energy-efficient seal by pulling the sash in tightly to the frame. Awnings offer unique style to any room and are the perfect complement to other Kolbe windows and doors.
Quality details adorn the classic design of Kolbe’s double hungs. Both Traditional and Sterling double hung sash can be removed from the inside of your home for easy cleaning. The Sterling double hung offers concealed jambliners and innovative locking hardware that allows the sash to unlock, operate and tilt in from one location. Majesta double hungs are perfect for oversized openings and the Old World Classic double hung has a unique historical design using today’s technologies. Options such as divided lites or StormGuard combination units enhance the style and performance of your windows.
Kolbe’s slider windows offer a large, unobstructed view of the outdoors. Sash operate from side-to-side, making slider windows ideal for areas with limited space. A heavy vinyl sill track and a foam-backed compression head track allow sash to be easily removed from the interior. Kolbe offers both double and triple sliders.
Kolbe’s patio doors add warmth and elegance to any project. Sliding patio doors are the perfect solution for an attractive and space-saving opening to a terrace or garden. For large openings and expansive views, choose Folding Doors or TerraSpan Lift and Slide Doors. To allow for additional light and a panoramic view, mull a series of patio doors together — or include matching transoms or radius units. Stylish hardware with finishes to match any decor will add beauty and originality to your passageway.
Set the tone for your home with Kolbe’s entrance doors. Inswing and outswing doors are available in a variety of styles including raised panel, French and segment head doors. Add a transom, sidelites and distinctive hardware to complete the look of your grand entrance.
To achieve a sophisticated look, choose Kolbe’s radius windows. Half-circle or elliptical units stacked above other Kolbe windows and doors create gracious curves and allow significantly more light to enter your room. Full-circle, quarter-circle and oval units are perfect for those small, cozy spaces. Choose a creative divided lite pattern to add to the appeal.
Make your room truly distinctive with Kolbe’s geometric windows. Any combination will provide a light-filled room and a terrific view. Comprise a window wall with a variety of triangles, trapezoids, parallelograms, octagons, pentagons, diamonds, hexagons or any shape you can imagine to create a unique space that is sure to be eye-catching.
Kolbe’s Ultra Series Direct Set windows are designed for projects which do not require operating windows. The glass is set directly into the frame, which has an integrated architectural profile made of heavy-duty extruded aluminum. Kolbe offers Ogee Direct Set windows with traditional detail similar to old storefronts. Beveled Direct Set windows have a streamlined appearance for greater viewing area and a contemporary style. EP models have triple pane glass for greater energy efficiency.
Quality Construction

Standard Features of Kolbe Wood Products:
➢ Constructed of preservative-treated pine to easily accept stain and coordinate with interior decor
➢ Extension jambs applied to accommodate most wall thicknesses
➢ LoE²-270 insulating glass filled with argon gas*
➢ Glazed to the interior with wood glazing beads
➢ Fully weatherstripped for a tight seal

Ultra Series:
➢ Extruded aluminum clad exterior for ultimate durability
➢ Finished on the exterior with a commercial-grade, 70% PVDF fluoropolymer coating that meets the requirements of AAMA 2005-05 specifications – the highest level in the industry
➢ Accessory grooves are integral to the extruded frames for the easy addition of exterior trim and sill nosing
➢ Frame corners have end keys screwed into the joints and are internally sealed with silicone for an extremely tight seal
➢ Head drip caps are applied to most standard units to direct water away from your home
➢ Heavy vinyl nailing fin applied to units without brickmould for easy installation

Heritage Series:
➢ All wood units
➢ 1-15/16” brickmould applied for a traditional look
➢ Frame and sash exteriors are latex primed, ready for topcoat of your choice

Classic Series:
➢ Frame and sash exteriors are covered with heavy gauge, roll-formed aluminum
➢ Heavy vinyl nailing fin applied for easy installation

Standard Features of Kolbe Vinyl Products:
➢ Constructed of multi-chambered uPVC extrusions that add strength and create a thermal barrier
➢ Fusion welded frame and sash corners prevent any water or air infiltration and provide greater structural integrity
➢ White and beige standard integral colors
➢ LoE²-270 insulating glass filled with argon gas*
➢ Fully weatherstripped for a tight seal
➢ Integral accessory grooves on the interior and exterior of the frames for the easy addition of numerous interior and exterior accessories providing design flexibility

Latitude Series:
➢ Frame corners are fusion welded
➢ Metal reinforced interlocks provide structural integrity
➢ Integral 1-1/4” pre-punched nailing fin for easy installation and sealing of the opening
➢ Equal glass sizing provides matching sight lines from sash to sash

Windquest Series:
➢ Available as Impact Performance, High Performance or Energy Performance models
➢ Metal reinforces the complete perimeter of the sash providing structural strength and achieving high design pressure ratings (not available on casements & awnings)
➢ Interior glazed
➢ Integral 1-1/8” pre-punched nailing fin for easy installation and sealing of the opening
Glass

Kolbe offers glazing options to address the optimum energy efficiency of the overall window unit for the geographic region in which you live. As standard, we use double strength annealed glass in most units, with double-pane insulating LoE²-270 glass. LoE is a “smart” coating that reduces energy transfer through the insulating glass unit. LoE coated glass is also designed to reflect roomside heat back into the room during winter months. In summer, visible sunlight is allowed in while blocking 96% of the sun’s infrared heat energy. The result is significant savings on heating and cooling costs throughout the year. LoE coatings also reduce the potential for condensation, as well as provide protection against fading of furniture, fabrics and carpeting. Along with LoE coatings, standard glass is filled with argon gas*, which has a 30% lower thermal conductivity than that of air.

Kolbe also offers the following glass options, as well as many specialized options.

LoE²-240
A tinted glass recommended for warm climates that achieves solar control over a wide range of the spectrum, while also helping to reduce glare.

LoE²-366
Offers an ideal balance of solar control and high visibility by blocking 95% of UV rays while maintaining the interior temperature.

ThermaPlus LoE
Helps to meet the strictest energy requirements; provides protection against heat loss and UV damage.

Mountain Air Energy Package
Specifically designed to meet a U-factor of .30 without argon gas. Consists of a specially-constructed frame, second-generation ThermaPlus glass with LoE³-366 and a high altitude tube within the insulating glass unit. Available on Crank-Out Casements and Awnings, Sterling Double Hungs, and Studio/Picture, Transom and Direct Set units to match Crank-Out Casements and Sterling Double Hungs.

Triple Pane
Provides a greater energy performing window that keeps indoor air warm and comfortable, prevents heat loss and lowers your heating bills. It is constructed with three panes of glass, argon gas, Thermo-Edge spacer bars and is available with a variety of LoE coatings that best suit your needs.

Tinted, Colored or Patterned
Provides shading, privacy or visual interest.

Finely Crafted Glass
Decorative glass created with a variety of caming options.

Tempered
Standard in Kolbe doors to address safety concerns. Also available in window units to meet specific building codes.

Laminated
Benefits include safety, security, sound control and provides the ultimate in UV blockage.

Impact
Glazing utilized to withstand harsh environmental conditions, especially in coastal regions. Combined with an impact product, such as K-Force®, this product offers the highest level of security.

Preserve Film
A protective film that protects the glass surfaces from scratches during transit and construction, as well as reducing the time involved in job site clean-up.

Neat®
Harnesses the sun’s UV rays to loosen dirt so water can rinse it away, leaving windows virtually spotless. A special sputter-coating process makes the glass ultra smooth, so the water “sheets off” more readily than it would on uncoated glass, allowing you to spend less time cleaning.

* Argon gas may not be included with units to be installed in or shipped through high altitude areas. Units with true divided lites may not include argon gas.
Not all glass is available on all Series. Please contact your Kolbe dealer for product specifics.
LoE², LoE²-240, LoE²-270, LoE³-366, Neat and Preserve are trademarks of Cardinal IG.
LoE² insulating glass with a stainless steel spacer bar carries a 20-year warranty. Not all glass options listed have the same glass warranty. Please contact your supplier for details.
Grilles-in-the-airspace are constructed with aluminum bars sealed between two panes of insulating glass, offering the look of divided panes while reducing cleaning time. For units with 7/8" insulating glass, contoured, 3/4" wide bars are standard in White, Beige, Sand, Rustic, Hartford Green and Chutney. Optional colors are light wood and dark wood faux finishes. Flat, 5/8" wide grille bars are also available in White, Beige, Sand, Rustic, Hartford Green, Chutney, light wood and dark wood faux finishes and Brass. Two-tone contour or flat grilles are available with either light or dark wood faux finishes to the interior and White to the exterior. Also available for 7/8" insulating glass are 5/16" wide brass "pencil" bars.

Not all options are available for all products. Please contact your Kolbe dealer for details.

Wood Removable Grilles are built with a full surround frame and bars that interlock at the joints for stability. Grilles are applied to the interior of the window using an exclusive hidden clip system.* This system makes unsightly pins and attachment points unnecessary and removal or replacement easy. Grille bars are profiled on the interior like traditional grilles with detailed grooves on the exterior for subtle depth and richness. As standard, bars are constructed of unfinished pine and are 7/8" wide on windows and 1-1/8" wide on doors. Custom grille patterns, bar widths, wood species and interior stains may be available upon request.

* A clear pin system will be used for Garden-Aire sliding patio doors, and divided lites will not have accent lines on the bar exterior. Wood Removable Grilles are only available for Ultra, Classic and Heritage Series units.
Kolbe’s performance divided lite (PDL) glazing system gives the appearance of true divided lites without sacrificing energy efficiency. Extruded aluminum bars are adhered to the exterior and wood bars to the interior of the single lite of insulating glass.* Aesthetically pleasing spacer bars are installed within the insulating glass unit. Together, these bars create the illusion of true divided lites. PDL bars are available in 5/8”, 7/8”, 1-1/8”, 1-3/4” or 2-1/4” bar widths. The exterior finish of the aluminum bars will match the exterior finish on the unit. Variations on the PDL option may include custom divided lite patterns, bar widths or no spacer bars.

* Some intricate radius designs may have a composite material for the exterior PDL bar.

True divided lites (TDL) give each unit the traditional look often found in historical projects. Units with TDL are comprised of 1-1/8” wide wood muntin bars in between individual 5/8” insulating glass.* The horizontal and vertical, colonial-style wood TDL bars interlock with half-lap joints for strength and security. Profile shadow lines enhance the warm, richness of the wood on both the interior and exterior. The exterior finish on the bars will match the exterior finish of the unit. TDL options include custom patterns and bar widths, other wood species and interior stain or paint finishes.

* Traditional double hung sash utilize 1/2” LoE insulating glass. True divided lites are only available for Heritage Series wood units.
Finish Options

Exterior Finish Options

Kolbe’s Ultra Series clad products are finished on the exterior with a commercial-grade, 70% PVDF fluoropolymer coating that meets the requirements of AAMA 2605-05 specifications – the highest level in the industry. This finish carries a 30-year warranty, and many color options (as well as custom colors) are available for design flexibility. Classic Series clad products are available in 4 colors, and are coated with a polyester finish that is baked continuously to cure and harden.

A variety of unique, anodized exterior finishes are available for Ultra Series clad products. To further enhance the aesthetic appeal of our Classic Series clad units, copper cladding is available on the exterior. In time, the elements will reveal the hidden beauty of copper as it develops a rich and timeless patina.

Our Heritage Series wood products may be coated on the exterior with K-Kron II, a high performance finish that offers a low-maintenance way to enhance and preserve the look of wood windows and doors. We also offer a high performance, heat-reflective polyurethane coating in numerous colors for our Latitude Series and Windquest Series vinyl products.

Exterior Color Options

Ultra Pure White  White  Abalone  Natural Cotton  Alabaster  Camel  Spiced Vinegar
Beige  Sand  Mudpie  Gingersnap  Rustic  Truffle  Frosted Jade
Kiwi  Bay Leaf  Manchester  Green Tea Leaf  Mystic Ivy  Basil  Hartford Green
Butterscotch  Pumpkin Spice  Chutney  Antique Red  Merlot  Patriotic Blue  Cape Cod
Waterford  Timberwolf  Slate  Coal Black*

* Coal Black is not available for Heritage Series wood products. Classic Series products are available in White, Beige, Sand and Rustic only.
Windquest & Latitude products are either white or beige as standard; the color is an integral part of the vinyl extrusions. They may be finished with most of the colors shown above, with the exception of Ultra Pure White, White, Beige, Antique Red or Patriotic Blue. Windquest Series Miami-Dade NOA certified products include only white vinyl products. Exterior coated or beige vinyl products are not allowed to receive label.
Some options for our products may have limited color offerings or may incur a nominal charge. Check with your Kolbe dealer for further details on pricing and availability.
Printed images of exterior finishes may vary slightly from actual colors. Selections should be made based on actual color samples available from your Kolbe dealer.
**Anodized Aluminum Color Options**  
(special order exterior finish for most Ultra Series units)

- Clear
- Champagne
- Light Bronze
- Medium Bronze
- Dark Bronze
- Black
- Auburn

There is a “color range” with anodized colors. That is, there is an acceptable “light” to “dark” color range that can be experienced on any job. According to AAMA 611-98 specifications, Section 8.3, the range may be up to 5 Delta E’s. We can provide from our anodized vendor color samples of this color range if requested. The color range is due to numerous variables which include (but are not limited to) the shape of the parts, alloy variations and time in the anodizing process. This could mean that a sash part may appear slightly different in color than a frame part. This is/will be acceptable. Even the samples that may be provided may vary from the final product due to the variables. You must be aware of this as this will be considered acceptable.

**Interior Prefinishing Options**

Kolbe’s wood window and door products may also be prefinished on the interior. We offer many interior stains and solid colors for the richness and depth of color you would expect from high-quality products. Because our interior finishes are water-based, low-VOC stains and paints, you can rest assured you’ve made an environmentally conscious decision. Custom stain matching is available as well.

*Interior prefinishing is not available for raised panel doors or flat panel doors.*

**Water-Based Interior Stains**

- Wheat
- Red Wheat
- Light Oak 998
- Spiced Walnut
- Sunset Oak
- Chestnut
- Cherry
- Library Red
- Coffee Bean

Stain colors are shown on pine. A double coat clear finish is also offered. Since no two trees are identical, wood can be expected to differ both in color and graining. These factors will influence the stain’s final color.

Custom stain matching is available; please supply your Kolbe dealer with a sample (minimum 3” x 3”) with the stain color on the wood species you would like matched.

Most Latitude Series products are available with a wood look interior in Cherry, Sunset Oak or Wheat.

**Interior Paint Options**

- Bright White
- Ultra Pure White
- Abalone
- Silk
- Ivory Tusk
- Natural Cotton
- Beige

Custom paint colors are also available.

Printed images of stain options and paint colors will vary from actual product colors. Selections should be made based on color samples available from your Kolbe dealer.

Interior paint is not available for Latitude or Windquest Series products. Interior colors for Latitude and Windquest Series products include white and beige.
### HARDWARE

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<th>Finishes</th>
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<td>Folding handle</td>
<td>Standard handle for casements and awnings</td>
<td>Clay (standard for wood products and vinyl products with interior laminate), White (standard for White vinyl units), Beige (standard for Beige vinyl units), Brass. Additional finishes: Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
</tr>
<tr>
<td>Multi-point lock</td>
<td>Standard lock for Latitude and Windquest casements and awnings</td>
<td>White (standard on White units), Beige (standard on Beige units), Brass, Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-Rubbed,* Matte Black</td>
</tr>
<tr>
<td>Sash lock</td>
<td>Standard sash lock for Sterling double hungs</td>
<td>Clay (standard), Brass, White, Beige. Custom finishes: Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Matte Black</td>
</tr>
<tr>
<td>Sash lock &amp; tilt latch</td>
<td>Standard sash lock and tilt latch for Latitude double hungs and double sliders</td>
<td>Clay (standard for units with interior laminate), White (standard for White units), Beige (standard for Beige units)</td>
</tr>
<tr>
<td>Sash lock</td>
<td>Standard sash lock for Latitude single hungs and single sliders</td>
<td>Clay (standard for units with interior laminate), White (standard for White units), Beige (standard for Beige units)</td>
</tr>
<tr>
<td>Sash lock &amp; tilt latch</td>
<td>Standard sash lock and tilt latch for Windquest double hungs, single hungs and single sliders</td>
<td>White (standard on White units) and Beige (standard on Beige units)</td>
</tr>
<tr>
<td>Sash lift handle</td>
<td>Standard on both sash for Latitude double sliders; standard on bottom sash for Latitude double hungs; optional for top sash of Latitude double hung</td>
<td>Clay (standard for units with interior laminate), White (standard for White units), Beige (standard for Beige units)</td>
</tr>
</tbody>
</table>

* The Oil-Rubbed finish is a living finish, which means that it will change appearance over time with use.

Products such as Push-Out casements, Majesta double hungs, Old World Classic double hungs, Folding doors and TerraSpan lift and slide doors have different hardware than what is shown. To view hardware for these products, please refer to the literature specific to these products or visit our website at www.kolbe-kolbe.com.
<table>
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<th>Finish</th>
<th>Description</th>
<th>Standard Interior (Left) and Exterior (Right) for Classic Garden-Aire and Latitude Sliding Patio Doors</th>
<th>Rustic Umber (Standard for Classic Series), White (Standard for White Vinyl Units), Beige (Standard for Beige Vinyl Units)</th>
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<tr>
<td>Basic</td>
<td>Sliding patio door handle</td>
<td>Standard handle for Ultra and Heritage Garden-Aire sliding patio doors</td>
<td>Bright Brass, Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
</tr>
<tr>
<td>Traditional</td>
<td>Optional handle for Latitude sliding patio doors</td>
<td>Bright Brass (Standard), Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>Sliding</td>
<td>Optional handle for Latitude sliding patio doors</td>
<td>Bright Brass, Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>Multi-point</td>
<td>Optional handle for Ultra and Heritage Garden-Aire sliding patio doors</td>
<td>Bright Brass, Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>Coastal</td>
<td>Standard handle for Windquest sliding patio doors</td>
<td>White (Standard for White Units) or Beige (Standard for Beige Units)</td>
<td></td>
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<tr>
<td>locking</td>
<td></td>
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<td></td>
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<tr>
<td>hardware</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Toronto</td>
<td>Standard handle for Ultra, Heritage &amp; Classic Series swinging patio doors</td>
<td>Bright Brass (Standard on Inswing and Outswing Patio Doors), Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>München</td>
<td>Optional handle for Ultra, Heritage &amp; Classic Series swinging patio doors</td>
<td>Bright Brass, Antique Brass, Satin Nickel, Antique Nickel, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>Adjustable</td>
<td>Standard hinge for inswing patio and entrance doors; optional hinge</td>
<td>Gold-painted (Standard), Bright Brass, Antique Brass, Satin Nickel, Antique Nickel, Brushed Chrome, Rustic Umber, Oil-rubbed,* Matte Black</td>
<td></td>
</tr>
<tr>
<td>hinge</td>
<td>for outswing patio and entrance doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4” x 4”</td>
<td>Standard hinge for outswing patio and entrance doors; optional hinge for</td>
<td>Bright Brass (Standard), Antique Brass, Satin Nickel, Antique Nickel, Stainless Steel, Oil-rubbed,* Matte Black</td>
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<tr>
<td>non-adjustable residential hinge</td>
<td>inswing patio and entrance doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4” x 4”</td>
<td>Optional hinge for swinging patio and entrance doors</td>
<td>Bright Brass, Antique Brass, Stainless Steel, Oil-rubbed*</td>
<td></td>
</tr>
<tr>
<td>non-adjustable commercial-grade hinge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-1/2” x 4-1/2”</td>
<td>Optional hinge for swinging patio and entrance doors</td>
<td>Bright Brass, Oil-rubbed*</td>
<td></td>
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</tbody>
</table>

**Finishes**

- White
- Beige
- Gold-Painted
- Bright Brass
- Antique Brass
- Stainless Steel
- Satin Nickel
- Brushed Chrome
- Antique Nickel
- Clay
- Rustic Umber
- Oil-Rubbed*
- Matte Black

* The oil-rubbed finish is a living finish, which means that it will change appearance over time with use.

Printed images of hardware finishes will vary slightly from actual colors. Selections should be made based on color samples available from your Kolbe dealer.

Pricing for various finishes may vary. Please contact your Kolbe dealer for further details on pricing.
PRODUCT PERFORMANCE MODIFICATIONS

Many of our products can be modified to meet even the most strict building code requirements. Depending on the criteria, Kolbe offers high performance and K-Force® impact performance products to improve air, water and structural ratings or sound transmittance ratings. With each level of modification, window and door strength is enhanced. This could be by using additional sash locks, alternative glazing methods or impact-rated laminated glass. Contact your Kolbe window and door supplier for further details.

INTERIOR WOOD SPECIES

While most of our wood windows and doors are built from pine as standard, we can also craft windows and doors from other wood species – including mahogany, oak, fir, alder, walnut, maple and cherry. If a special wood species will maximize the beauty of your project, we’ll do our best to achieve your dream.

Being a millwork company, we also offer specialty mouldings in a wide variety of profiles and several different wood species.

EXTERIOR BRICKMOULDS & CASINGS

Accentuate the beauty of your windows and doors with Kolbe’s exterior brickmoulds and casings. As standard, Heritage Series units have Kolbe’s 1-15/16” profiled brickmould (a). Options available include 3-1/2” profiled brickmould (b), 3-1/2” flat casing (c), 3-1/2” profiled brickmould with backband (d), or 3-1/2” flat casing with backband (e).

Ultra Series windows and doors are standard without brickmould. Optional extruded aluminum trim pieces include 1-15/16” profiled brickmould (f), 3-1/2” profiled brickmould (g), 2” flat casing (h), 3-1/2” flat casing (i), 2” flat casing with backband (j), 3-1/2” flat casing with backband (k), 1-15/16” bull nose casing (l), 1-13/16” historic brickmould (m), ogee casing (n), or stucco trim (o). Contact your Kolbe supplier about the availability of custom brickmoulds and casings.
**Interior Casing**

Accent the interior of windows and doors with interior casing by Kolbe. As standard, choose either 2-1/8" wide ranch casing or 2-1/4" wide colonial casing. Ranch and colonial casings are available in unfinished pine or oak, ready for paint or stain. Curved radius casing is available as well, to match the curves of Kolbe's radius units.

Specialty moldings are available in pine, oak and other wood species. Shipped loose for field application, specialty moldings are available in a wide variety of profiles, some of which are shown below.

**Universal Design**

To meet the needs of homeowners with physical limitations, Kolbe offers a variety of windows and doors that are designed to make independent living possible. From door sills that create a flush surface for easier passage between the interior and exterior, to window and door hardware that provides ease of operation, we have numerous options that will help make living at home far easier. Whether your project is new construction or you are adapting an existing residence for a special need, Kolbe’s windows and doors with universal design options will give you the freedom and style you are seeking.

**Sash Limiter Kits**

Kolbe's sash limiter kits limit the opening of the bottom double hung sash to address safety concerns, especially regarding children. These devices were developed to help prevent the potential of children falling from an open window, and meet the criteria of ASTM F2090 guidelines for fall prevention devices.

Sash limiter kits can be applied to Ultra Series Sterling, Traditional and Pocket double hungs, Heritage Series Sterling and Traditional double hungs, and Classic Series Traditional double hungs.
**Options**

**Glazing Beads & Muntin Bars**
As standard, glazing beads have a beveled profile, but may also be ordered with an ovolo profile or square profile. Matching muntin bars are available on units with true divided lites (TDL), performance divided lites (PDL) and wood removable grilles. Units ordered with TDL and PDL will have beveled muntin bars on the exterior regardless of the profile chosen for the interior.

**Copper Cladding**
Enhance the aesthetic appeal of your windows and doors with copper cladding. Over time you will discover the hidden beauty when it develops a natural and unique patina. Copper cladding is available on most Classic Series units.

**Wire Brush Finish**
Most Kolbe wood windows and doors can be further enhanced by our wire brushed finish. Wire brushing creates a rugged texture and adds character – the perfect option to complement any rustic-styled home. Due to the nature of the finish, certain limitations apply.

**Keystones & Pediment Heads**
Keystones and pediment heads add a classic touch to the exterior of Heritage Series wood windows or doors. Pine keystones and pediment heads may be ordered unfinished, primed or prefinished with K-Kron II to match your windows or doors. Ask your Kolbe supplier for more information about keystones and pediment heads.

**Corner Blocks**
Giving windows and doors a signature look has never been easier. Kolbe offers corner blocks and rosettes in pine or oak to complement interior and exterior architecture.

**Swinging Screen Doors**
Swinging screen doors are available for field installation with Kolbe’s single and double inswing doors. Screen doors feature an adjustable self-closing mechanism. Double swinging screen doors are equipped with spring-loaded locking mechanisms on the head and sill of the passive door. Energy efficiency is provided by weatherstripping around the frame perimeter and on the astragal of double screen doors; rubber door sweeps meet the sill. Swinging screen door frames are available in over 30 colors, plus custom colors.
**STORM GUARD**

Kolbe’s durable StormGuard combination storm/screen units provide extra protection from the elements. Units feature two glass inserts and one screen insert that can be removed from the interior for cleaning. Frames are constructed of extruded aluminum made of a lightweight alloy, which is easy to handle without sacrificing performance. Weatherstripping along the top and sides of all three inserts ensures a tight fit that will withstand harsh weather. Weep holes channel water out to help prevent damage to the window sill. The sight lines and profile of StormGuard units closely match the window it complements, which means the unit will blend in and your view will not be obscured. Screen inserts have fiberglass mesh as standard; aluminum mesh is optional. StormGuards for Ultra and Heritage Series windows are available in Ultra Pure White, White, Beige, Sand, Rustic, Hartford Green, Chutney and Coal Black.* StormGuards for Classic Series windows are available in White, Beige, Sand, Rustic and Hartford Green.

* Coal Black is available for Ultra Series only.

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**STERLING DOUBLE HUNG RETRACTABLE SCREEN KIT**

A retractable screen kit is offered for Kolbe’s Sterling double hungs, for those who prefer an unobstructed view at times. Wood components that match the interior wood species and finish disguise the screen hardware, revealing only the beauty of the window. When you want to open your window and use the screen, operation is practically effortless. Simply press the pull bar down to the sill to engage the screen. A gentle push toward the exterior allows the screen to retract.

Included in the kit are all the components necessary for field installation on either an Ultra or Heritage Series Sterling double hung.

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Sterling Double Hung Retractable Screen Kit components:

- **a** - Side rails
- **b** - Cassette (housing and pull bar)
- **c** - Wood trim for side rails
- **d** - Wood trim for housing
- **e** - Screws
- **f** - Wood trim for pull bar
Kolbe® Products

Ultra Series
Features extruded aluminum clad wood windows and doors for either residential or commercial new construction and renovation – providing exceptional performance and style. K-Force® option available for hurricane coastal areas requiring impact performance.

Heritage Series
Our line of wood windows and doors offering traditional design aesthetics – ideally suited to residential and commercial new construction and renovation. K-Force® option available for hurricane coastal areas requiring impact performance.

Classic Series
Emphasizing simplicity, this line of roll-formed aluminum clad wood windows and doors is perfect for new construction desiring a clean overall look.

Latitude® Series
A full line of vinyl windows and patio doors, offering traditional design paired with modern convenience and energy efficiency – perfect for both residential and commercial new construction and replacement applications.

Windquest® Series
Vinyl windows and patio doors that are designed to meet very specific needs. Impact Performance (IP) units are designed for coastal areas prone to hurricanes. High Performance (HP) units offer optimal design pressure ratings. Energy Performance (EP) units are built to meet or exceed strict energy efficiency requirements.

Complementary Doors
Entrance doors and interior doors to provide the final touch to your project.

Note: See your Kolbe dealer for more information about our products or visit our website at www.kolbe-kolbe.com.