

ADVANCED TECHNOLOGY. INNOVATIVE DESIGN.

**KOLBE**  
WINDOWS & DOORS

# FORGENT® SERIES





Photo courtesy of Adamo Homes

## THE FORGENT® SERIES

Forgent Series windows and doors incorporate innovative design and state-of-the-art technology with a proprietary Glastra® material. Engineered for strength, resilience, and ease-of-installation, this high-performance product line is a perfect choice for new construction or replacement projects.

### MATERIAL

Forgent Series products are comprised of Glastra, a proprietary hybrid of fiberglass and UV stable polymer. To better match décor and performance requirements, a Glastra exterior with a choice of Glastra or Wood interior is available in select colors and finishes.



GLASTRA EXTERIOR  
WITH GLASTRA INTERIOR



GLASTRA EXTERIOR  
WITH WOOD INTERIOR



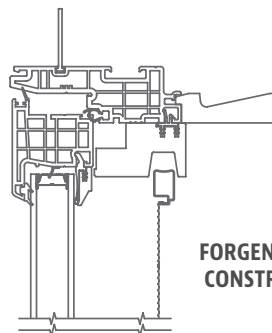
Photo courtesy of Next  
Polymers Ltd./Brunet Group

### SUSTAINABLE TO THE CORE

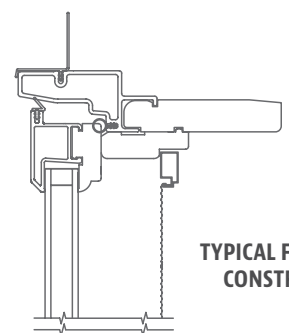
The innovative recyclable Glastra material from which Forgent Series products are made promotes sustainability in today's environmentally responsible building projects. Manufacturing byproducts are repurposed for use in other industries, such as underground industrial piping.

### CONSTRUCTION

Forgent Series windows are constructed of multi-chambered Glastra extrusions in an advanced ladder design for numerous benefits – the chambers add strength and promote energy efficiency. The same structural framework is used for All Glastra and Glastra/Wood products, for consistent performance.



FORGENT SERIES  
CONSTRUCTION



TYPICAL FIBERGLASS  
CONSTRUCTION



Photo courtesy of Adamo Homes



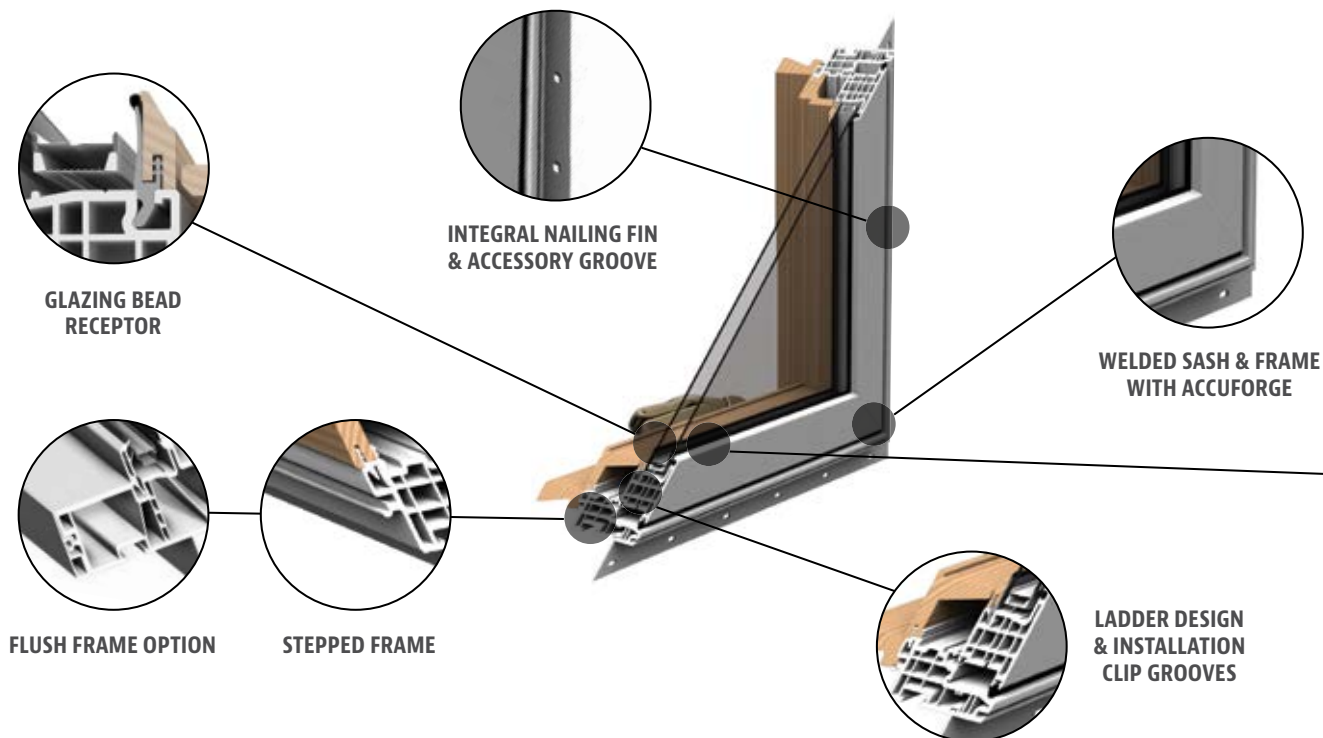
© Spacecrafting Photography  
 Builder: Denali Custom Homes  
 Interior Design: Redstone Interiors

## STRENGTH & PERFORMANCE

- Strong and resilient Glastra exterior with Glastra or Wood interior
- Advanced ladder design with multiple chambers for strength and energy efficiency
- Welded sash and frame with AccuForge™ technology for a smooth, air and watertight seam
- Integral nailing fin has fewer sealing points, for rigidity and a watertight installation
- Impact performance capabilities to meet the demands of coastal hurricane zones

## EASE OF INSTALLATION

- Three convenient installation methods: integral nailing fin, installation clips, and screw through frame
- Glazing bead receptor helps create a clean break-point during painting and staining
- Accessory groove allows for quick installation of exterior accessories without additional clips
- Dry glazed sash allows for serviceable sash and components



# EXPLORE THE TECHNOLOGY



Watch the video to see this innovative corner seam technology

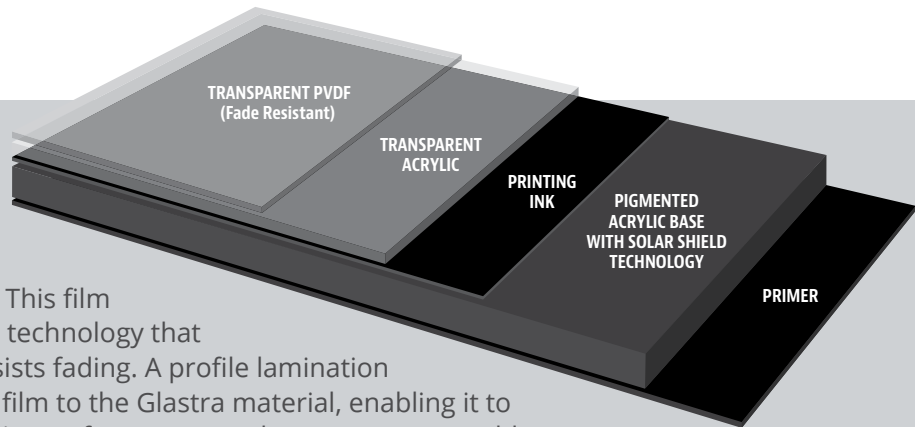


## ACCUFORGE™

Forgent Series window frames\* and sash feature AccuForge™, an innovative miter joint technology. This state-of-the-art nip welding process creates a stronger air and watertight seam with a smooth, high-end finish.

## ACRYLIC FILM

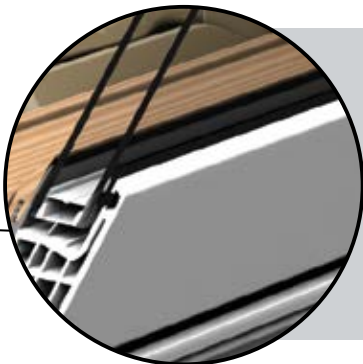
A Bronze\*\*, Midnight\*\* or Tungsten† film can be applied to Forgent Series Glastra products. This film utilizes a pigmented acrylic base technology that reduces heat absorption and resists fading. A profile lamination process permanently bonds the film to the Glastra material, enabling it to withstand the harshest of conditions – from extreme heat to extreme cold. And because the film has a very low surface tension, typical dirt, debris – even paint – can be removed from the surface with mild soap and water.



## THERMAL EXPANSION

All materials are subject to some level of expansion as temperatures fluctuate. Forgent Series Glastra material is less affected by these changes, with a lower expansion rate than many composite products, and less than half the rate of vinyl products.

	Thermal Expansion (In/In F° x 10 <sup>-6</sup> )									
Vinyl	0	5	10	15	20	25	30	35	40	45
Cellular PVC	0	5	10	15	20	25	30	35	40	45
<b>Glastra</b>	0	5	10	15	20	25	30	35	40	45
Aluminum	0	5	10	15	20	25	30	35	40	45
Pine	0	5	10	15	20	25	30	35	40	45



## COMPRESSION SEAL

Forgent Series windows and doors feature EPDM gaskets in the glazing system as well as between the operable sash and frame, to seal the joint and create an air and watertight seal. Similar to those used on commercial windows, cars and airplane doors, they also keep noise out, for a quieter, drier, more comfortable environment.

AccuForge™ is a trademark of Kolbe & Kolbe Millwork Co., Inc.

\* Specialty windows (geometric and radius) and sliding doors are not manufactured with AccuForge™ technology.

\*\*Bronze and Midnight acrylic films can be applied to Forgent Series products with Cloud-colored Glastra interiors and exteriors. Ask your Kolbe dealer for details.

† Tungsten is only available as an exterior finish on select products with Cloud-colored interiors. Ask your Kolbe dealer for details.

Forgent Series exterior films are compliant with and have achieved 307-16 certification from the American Architectural Manufacturers Association (AAMA). The AAMA 307-16 designation specifically refers to Voluntary Specifications for Laminates Intended for Use on AAMA Certified Profiles.

# PRODUCTS

## WINDOWS

All Glastra or Glastra/Wood

- ▶ Casements
- ▶ Awnings
- ▶ Double hungs
- ▶ Sliding windows
- ▶ Direct sets (rectangular, geometric & radius)

## COMPLEMENTARY DOORS

Select doors designed to complement Forgent Series products

- ▶ Sliding doors
- ▶ Multi-slide doors
- ▶ Inswing doors
- ▶ Outswing doors

# OPTIONS

## GLASS

- ▶ Double pane; Insulated glass
- ▶ Triple pane; Insulated glass
- ▶ Various Low-E coatings
- ▶ Specialty glass

## DIVIDED LITES

- ▶ Performance divided lites
- ▶ Grilles-in-the-airspace

## WINDOW HARDWARE FINISHES

- ▶ Clay
- ▶ White
- ▶ Satin Nickel
- ▶ Matte Black
- ▶ Rustic Umber

## EXTERIOR ACCESSORIES

- ▶ Casings
- ▶ Brickmoulds
- ▶ Frame expanders
- ▶ J-Channels
- ▶ Sill nosings

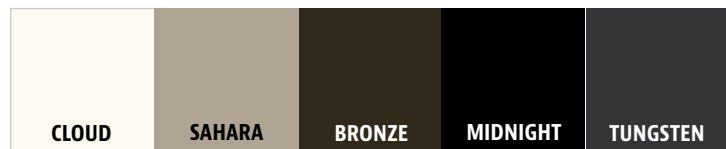
# FINISHES

Forgent Series offers popular exterior and interior finishes to coordinate with hardware selection, trim and décor.

The Cloud and Sahara colors are integral to the Glastra® material, while Bronze, Midnight and Tungsten can be applied in various combinations, as shown below.

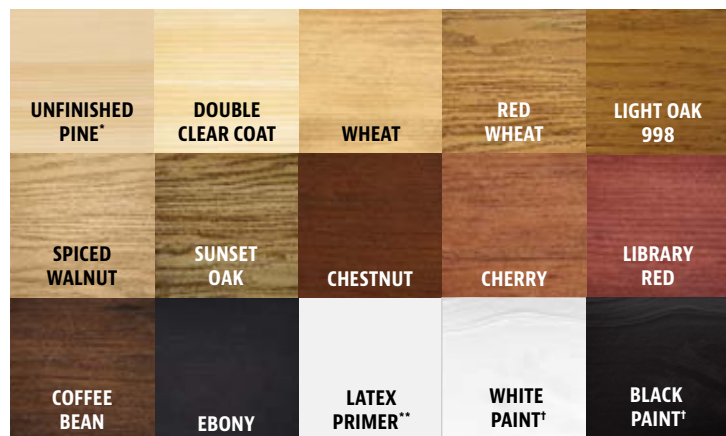
## COMBINATION OPTIONS

		INTERIOR				
		CLOUD	SAHARA	BRONZE	MIDNIGHT	WOOD
EXTERIOR	CLOUD	•				•
	SAHARA		•			•
	BRONZE	•		•		•
	MIDNIGHT	•			•	•
	TUNGSTEN	•				•



NOTE: Tungsten is available as an exterior finish only, for casements, awnings, casement picture windows, casement direct set windows (including shapes), as well as complementary sliding and multi-slide doors. Ask your Kolbe dealer for details.

## INTERIOR OPTIONS - GLASTRA/WOOD UNITS



\* All units supplied with unfinished Pine interiors must be finished in the field.

\*\*Latex primer is not a final finish.

† White Paint and Black Paint are applied as single coats, with some visible woodgrain.

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Printed images of wood species and stain options will vary from actual product colors. Selections should be made based on color samples available from your Kolbe dealer. Stain colors are shown on Pine. 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.

Color-matched interior paint is available through any Sherwin-Williams retail store's National Account System in the United States and Canada.



Scan the QR code to see  
our full Forgent Series  
Product Catalog & other  
available literature.



[kolbewindows.com/brochures](http://kolbewindows.com/brochures)

# KOLBE

WINDOWS & DOORS

We're for the visionaries.®

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