



# TECHNICAL DATA SHEET

## Prebuck™ Window and Door Buck

Engineered lumber for bucking openings,  
wall termination points and sill plates

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### PRODUCT DESCRIPTION

Prebuck Window and Door Buck offers the contractor, owner and design community an engineered solution for punched openings. Produced with 1-½" (38 mm) thick, treated Laminated Strand Lumber (LSL), Prebuck Window and Door Buck assures that the rough frame of the opening provides stable support for glazing and finish components. Prebuck offers many customized options that reduce labor and staging costs. The buck frame can be used in combination with any wall structure type, but is ideally suited for wide width walls. Made with materials that allow direct contact with concrete, a cast in place version integrates a dual keyway design to assure a secure interface from concrete to finishes. Prebuck Window and Door Buck will not cup, twist or warp over time and can be cut to custom design specifications.

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### BASIC USES

Prebuck fabricated solutions feature high strength material with high modulus of elasticity. Borate treatment offers protection against moisture, insects, mold and mildew, making Prebuck a healthy and sustainable solution for punched openings in many wall types.

Common Uses Include:

- Insulated Concrete Form (ICF) walls
- Tilt-wall
- Precast concrete walls
- Structural steel buildings
- Light gauge metal stud walls
- Panelized wall systems

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### FEATURES & BENEFITS

- Customizable engineered bucking system
- Treated throughout – no need to field treat after cutting and drilling
- Designed for direct contact with concrete
- Non-corrosive to metals
- Insect and fungus resistant
- Will not cup, twist, warp or curl
- Environmentally friendly
- No chemical off-gassing
- Consistent density and performance across the entire cross section
- Always straight
- Provides a solid anchoring surface
- Custom manufactured to width
- Green Building Certified
- Can assist in obtaining LEED points

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### AVAILABILITY

Prebuck is manufactured to specification in Wyoming, MI and shipped throughout North America. Stocking locations available in Granby, QC; Lethbridge, AB; and Columbus, GA.

Contact Prebuck to find a representative near you.

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## ASSEMBLY STYLES

Built with the contractor in mind, Prebuck Window and Door Buck allows for various degrees of customization.

Choose from the following assembly styles:

- Standardized Style
  - 16' (4.8 m) lengths ripped to custom widths
  - Cut on-site to length required for each rough opening
- Knockdown Style
  - Custom Cut to the length and width of each rough opening
  - Kitted as head, two side jambs, and sill strapped and labeled according to plans and specifications
- Pre-Assembled Style
  - Custom cut to the length and width of each rough opening
  - Shop assembled and labeled according to plans and specifications

Each style above is available with the following features:

- Keyway dovetails for use with cast-in-place, precast, and tilt wall concrete frames
- Add 1.5" x 1.5" (38 mm x 38 mm) galvanized metal for alignment to the wall system of choice
- Pre-drilled, slotted or unslotted, or countersunk holes for versatile attachment to existing wall systems

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## LIMITATIONS

Prebuck Window and Door Buck is:

- Not to be left exposed indefinitely.
- Not to come into direct contact with the ground
- Not to be buried below grade.

Prebuck Window and Door Buck offers a dense and reliable fastening surface, though some fasteners may require predrilling.

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## COMPATIBILITY

Prebuck Window and Door Buck should be properly flashed and sealed in accordance with local building codes. The product has been tested for compatibility with a range of sealant, flashing and weather resistive barrier products as listed below. Contact your representative for a comprehensive list.

- ExoAir® 110AT
- ExoAir 230
- Dymonic® 100
- Aquafash®
- EnviroDri®
- Vulkem® 116
- Backstop Flash & Fill

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## HANDLING & STORAGE

- While transporting Prebuck Window and Door Buck, keep the load level and covered with a weatherproof tarp, protecting the edges and ends from damage.
- Store the Prebuck Window and Door Buck off the ground under roof, tarp, or wrap, protected from moisture and weather, with proper ventilation.
- Store Prebuck Window and Door Buck in a flat orientation properly supported to prevent warping or deformation.

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## WARRANTY

Prebuck warrants its products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Prebuck makes no other warranty, expressed, or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Prebuck Products. Prebuck's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Prebuck Products proven to be defective, and Prebuck shall not be liable for any loss or damage.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Density	ASTM D1037	38 pcf
Product Moisture Content	ASTM D1037	6 to 8%
Flame Spread	ASTM E84	140
Thermal Properties	ASTM E518	1.25 R /in.
Internal Bond	ASTM D1037	80 psi
Average Ultimate Bending Stress (MOR) Edge	ASTM D198	4800 psi
Average Ultimate Bending Stress (MOR) Flat	ASTM D198	5000 psi
Average Bending Stiffness (MOR) Edge	ASTM D198	1,000,000 psi
Average Bending Stiffness (MOR) Flat	ASTM D1198	1,000,000 psi
#12 Screw Withdrawal Face – 550 lb	WDMA TM-10	775 lb
#12 Screw Withdrawal Edge – 550 lb	WDMA TM-10	725lb
Hinge Loading #12 Screw – 550 lb	WDMA TM-8	650 lb
Edge Impact Resistance – Pass	WDMA TM-15	PASS
Use in Direct Contact with Concrete	AWPA Category 2 (UC2)	Approved
National Green Building Certification	ICC 700-2008	Certification #000008
Specific Gravity – Face		.50
Specific Gravity – Edge		.42
Florida Product Approval		#FL6527-R11

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prebuckproducts.com  
616.309.6256



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | tremcocpg.com