



**Henselstone**<sup>®</sup>  
WINDOW & DOOR SYSTEMS INC.

# Precision systems for architects who refuse to *compromise*.

*German-engineered fenestration systems, custom  
specified for high-performance luxury architecture.  
Every system is custom-engineered and manufactured  
specifically for each project*



## PRODUCT SYSTEMS

### SYSTEM 01 — UPVC

100% virgin PVC with steel-reinforced frames. Superior thermal performance and structural rigidity for large-format openings.

|               |                                        |
|---------------|----------------------------------------|
| Profile depth | 70 mm                                  |
| Construction  | 5-chamber, steel reinforced            |
| Material      | 100% virgin uPVC                       |
| Finishes      | 50+ woodgrain                          |
| Dual color    | Interior / exterior independent        |
| Operation     | Tilt-turn, casement, fixed, lift-slide |

### SYSTEM 02 — WOOD

3-ply laminated reverse-grain core, precision-dried for dimensional stability across all climates. Natural hardwood interior with factory-applied finish.

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Profile depth     | 83 mm                                                         |
| Core construction | 3-ply laminated, reverse-grain                                |
| Species           | Sipo · Meranti · Oak · Teak · Cherry · Walnut · Alder · Maple |
| Interior finish   | Hardwood stains · 1,500+ RAL/NCS                              |
| Dual color        | Interior / exterior independent                               |
| Operation         | Tilt-turn, casement, fixed, lift-slide, folding, entry, pivot |
| Note              | Alder available with cladding only                            |

### SYSTEM 03 — METAL CLAD

Wood core with a precision-formed metal exterior shell and integrated drainage system — zero maintenance burden, maximum weather resistance.

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Profile depth     | 90-115 mm                                                     |
| Core construction | 3-ply laminated, reverse-grain                                |
| Exterior cladding | Aluminum · Bronze · Stainless Steel                           |
| Drainage          | Integrated shell drainage system                              |
| Interior finish   | Hardwood stains · 1,500+ RAL/NCS                              |
| Operation         | Tilt-turn, casement, fixed, lift-slide, folding, entry, pivot |

## PRODUCT SYSTEMS

### SYSTEM 04 — CURTAIN WALL

Post-and-beam construction handles irregular openings and complex geometries. Fully integrated with the 83mm aluminum-wood line for a unified aesthetic across the entire building envelope. Factory pre-fabricated as a kit and delivered ready to install.

|                   |                               |
|-------------------|-------------------------------|
| System type       | Post & Beam, aluminum-wood    |
| Engineered in     | Germany                       |
| Max facade height | 6 m / 2 stories               |
| Face width        | 50 mm                         |
| Max glass size    | 2200 x 4200 mm (7' x 13')     |
| Integration       | Windows, Doors, Lift & Slides |
| Performance specs | Available on request          |

## PERFORMANCE DATA

**≤0.28**  $U_{w-val}$   
DOUBLE GLAZE, WHOLE UNIT

**0.12–0.16**  $U_{w-val}$   
TRIPLE GLAZE, WHOLE UNIT

**34–50** dB  
ACOUSTIC ATTENUATION

**140** mph  
SUSTAINED WIND LOAD

**DP 65+** Air · Water · Structural  
STANDARD PRESSURE RATING

Triple glazing available with glass  $U_w$ -values as low as 0.09 — suitable for Passive House and net-zero targets. Air infiltration approximately 10% of allowable maximums under IECC.

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*German-engineered systems, exclusively available  
through Henselstone in the United States*

henselstone.com

## Specified to perform. *Built to last.*

| THERMAL & ACOUSTIC                                   | STRUCTURAL & COASTAL                                 | DESIGN & FINISH                                               |
|------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------|
| Standard Uw-value (installed) <b>≤0.28</b>           | Design pressure rating <b>DP 65+</b>                 | Color options <b>1,500+ RAL / NCS</b>                         |
| Triple glaze Uw-value (installed) <b>0.12 – 0.16</b> | Sustained wind load <b>140 mph</b>                   | Woodgrain (uPVC) <b>50+ finishes</b>                          |
| Triple glaze glass Uw-value <b>as low as 0.09</b>    | Impact resistance <b>Large Missile Level D</b>       | Wood stains <b>Custom to project</b>                          |
| R-value equivalent (standard) <b>R-4</b>             | Hardware rating <b>Oceanfront / salt-air</b>         | Dual color <b>Interior / exterior independent</b>             |
| R-value (triple glaze) <b>R-8 to R-10</b>            | Locking <b>Multi-point, opposing direction</b>       | Operation types <b>Tilt-turn, casement, fixed, lift-slide</b> |
| Air infiltration <b>~10% of allowable max</b>        | Testing standard <b>Air / Water / Structural</b>     | Sizing <b>Fully custom, mm precision</b>                      |
| Acoustic (standard) <b>34 dB</b>                     | uPVC reinforcement <b>Full steel frame</b>           | Finishing <b>Factory pre-finished</b>                         |
| Acoustic (enhanced) <b>up to 50 dB</b>               | Wood stability <b>3-ply laminated, reverse grain</b> |                                                               |

### ADDITIONAL CAPABILITIES

|                                                                  |                                                                                            |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| — Large Missile Impact Level D (hurricane zones)                 | — Security & smart system integration — pre-wired, sensor-ready                            |
| — Oceanfront-approved hardware, salt-air rated                   | — Motorized automation — single units or whole-building control                            |
| — Multi-point locking, opposing directional compression          | — Electric roll-down screens — insect, solar, and blackout options                         |
| — Factory pre-finishing — no field-applied finishes              | — Custom color matching — exterior and interior finishes specified to project requirements |
| — Custom hardware — bespoke handles, locks, and finishes to spec |                                                                                            |

### OUR ENGAGEMENT PROCESS

|                                                                                                                                         |                                                                                                                                                               |                                                                                                                                                                      |                                                                                                                                                  |                                                                                                                                                    |                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>01</b><br><b>DESIGN CONSULTATION</b><br>Early collaboration during design phase to support system direction and concept engineering. | <b>02</b><br><b>ENGINEERING &amp; SHOP DRAWINGS</b><br>Full in-house engineering services. Removes technical burden from your team and prevents field errors. | <b>03</b><br><b>CUSTOM MANUFACTURING</b><br><i>In Germany</i><br>Precision built to the millimeter. Factory pre-finished. Every component engineered for durability. | <b>04</b><br><b>LOGISTICS &amp; DELIVERY</b><br>Coordinated delivery to site. Pre-site inspection included. Timed to your construction schedule. | <b>05</b><br><b>INSTALLATION</b><br>In-house, certified installation teams ensure design intent and engineering specifications are fully executed. | <b>06</b><br><b>LONG-TERM SERVICING</b><br>Post-installation support and annual servicing — protecting building performance and your professional reputation long-term. |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



#### NAMI CERTIFIED

*Independently tested and verified performance*



#### 10-YEAR FULL COVERAGE, TRANSFERABLE WARRANTY

*Coverage on materials, workmanship & hardware*

## Bring us in *early*.

The best outcomes happen when fenestration is considered at the earliest design phases — not value-engineered in at the end. We welcome the opportunity to provide design input, technical drawings, and specification guidance tailored to your project.

### AVAILABLE ON REQUEST

- AIA CE lunch-and-learn
- Project references
- Design consultation