



# MERIDIAN

WINDOW SYSTEMS



SERIES THREE

# SUMMIT

*Certified performance. Proven, not claimed.*

SUMMIT WEST & SUMMIT SOUTHWEST · CERTIFIED, LISTED AND VERIFIABLE

# The certificate. The directory. The label that matches.

Summit is the window you specify when the performance has to be proven rather than asserted.

Every Summit product is tested to NFRC 100 and NFRC 200 by an accredited independent laboratory and listed in the NFRC Certified Products Directory under a CPD number. The label on the glass matches the directory entry, and that entry is what the plan checker will find. In a market where a great many labels do not survive that check, that is the whole difference.

Summit is one certified system, specified by climate region. **Summit West** is triple glazed for California, Oregon and Washington, where the U-factor limit is tightest. **Summit Southwest** is certified double glazed for Texas, Arizona, Nevada, New Mexico and Utah — the same certification without paying for a third pane the code there does not ask for. The certified **casement** is the one exception: it is listed in a single triple-glazed makeup, so it is supplied triple glazed in either region — more performance than the Southwest code asks for, at no loss of compliance.

Both regions run the same platform — a 2.0 mm wall on the thermally broken **80 Series** window profile and the **128 Series** sliding door profile. Choosing a region changes the glass, and nothing else. Further regions are added to the same platform as those markets open; where the climate is colder the low U-factors govern and the solar gain cap falls away.

## 01 Certification

Tested by an accredited independent laboratory to NFRC 100 and NFRC 200 and listed in the Certified Products Directory. The number on the label is the number in the directory.

## 02 Performance

Certified U-factors from **0.22** in Summit West and from **0.27** in Summit Southwest — the lowest in the Meridian line, and each one a directory entry rather than an estimate.

## 03 One schedule, both regions

The two share frames, hardware, finishes, sizes and warranty, so a project spanning climates specifies side by side on one schedule and arrives in one container.



# What we build in Summit.

Summit is a certified range, and certification is granted by product type — a rating does not carry from one operator type to another. These five products are certified, each in its own right and in each region it is listed for. Every one is still made to your openings: NFRC certifies the product line, not the size, so a 24-inch casement and a 96-inch casement carry the same rating. In sliding configurations **X** is a panel that slides and **O** is a panel that is fixed, read left to right **viewed from the exterior**.

## Fixed windows

Picture units and the fixed lites in mulled assemblies. The best-performing product in the range and the largest single opening.

Lites to 64.5 sq ft · U 0.22 West · 0.29 Southwest

## Casement windows

Multipoint locking, adjustable hinges, retractable screens. The egress window of the certified range.

Sash to 35 3/8 × 70 3/4 in · U 0.27 · triple glazed in both regions

## Swing & entry doors

In-swing and out-swing, single and double. Multipoint locking, adjustable hinges, threshold matched to the frame color.

Max 39 1/4 × 118 in · U 0.24 West · 0.33 Southwest

## Tilt-and-turn windows

Dual action on one handle: tilts inward at the head for secure ventilation, or swings inward on the side hinge to open fully. An inward-opening European operator type, with a black stainless mesh screen that opens inward with the sash.

Sash to 35 3/8 × 70 3/4 in · U 0.23 West · 0.29 Southwest

## Sliding patio doors

Three-track: OXX, XXO and OXXXXO. Panels slide to both sides.

Panel to 59 × 137 3/4 in · U 0.28 West · 0.37 Southwest



Awning and sliding windows, pivot entry doors, window walls and curtain wall are built in Horizon and Ascent. They are not part of the certified range: a product type has to be certified in its own right, and we will not put a Summit label on something that does not carry one. Where a project needs both, the certified and non-certified lines specify side by side on the same schedule.

# Certified. Still made to your openings.

A certified line is not a size list. NFRC certifies a product line and reports its rating at one fixed model size; every size sold under that line carries that rating. Summit is made to your openings exactly like Horizon and Ascent — a 24-inch casement and a 96-inch casement label identically, and neither one costs you the certificate.

**Color can be specified separately inside and out.** AkzoNobel Interpon powder coat to **AAMA 2604** as standard, in Matte Black, White or Dark Bronze. **AAMA 2605**, dual-color frames and custom colors are available at additional charge — matched to **Benjamin Moore** or **Pantone**, or to any custom color sample submitted. Thresholds are finished to match the frame.

Double casements and double doors are supplied with or without a center post. The default is no post, for an unobstructed opening, unless the drawing asks for one.



FIXED



CASEMENT



TILT-AND-TURN



SWING &amp; ENTRY DOOR



SLIDING PATIO DOOR

# How a Summit window is built.

| COMPONENT                 | SUMMIT WEST                                                                                                                                                                                                     | SUMMIT SOUTHWEST                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame                     | 6063-T5 aluminum, thermally broken. 80 Series profile on windows, 128 Series on sliding doors. 2.0 mm wall thickness.                                                                                           |                                                                                                                                                                                |
| Thermal break             | Polyamide strut, isolating the interior face of the frame from the exterior.                                                                                                                                    |                                                                                                                                                                                |
| Glass                     | Triple glazed. 6 mm double-silver Low-E + 12 mm argon + 6 mm clear + 12 mm argon + 6 mm double-silver Low-E, warm-edge spacer in both cavities.                                                                 | Double glazed. Low-E, argon filled, in the makeup listed on each certificate. The certified casement is listed triple glazed only, and is supplied triple glazed here as well. |
| Glazing                   | Every lite tempered, in every product, not only where code requires it. Safety etch on every pane.                                                                                                              |                                                                                                                                                                                |
| Hardware                  | <b>Roto</b> locking with <b>Coastal</b> 316 marine-grade stainless handles on every window and door. Adjustable hinges on windows and doors.                                                                    |                                                                                                                                                                                |
| Screens                   | Retractable screens on casement windows and on sliding doors. Black stainless mesh screen on the tilt-and-turn, opening inward with the sash.                                                                   |                                                                                                                                                                                |
| Finish                    | <b>AkzoNobel Interpon</b> powder coat to <b>AAMA 2604</b> . Matte Black, White or Dark Bronze. AAMA 2605, custom colors and dual-color frames (one color inside, a different one outside) at additional charge. |                                                                                                                                                                                |
| Certification             | Both regions tested to NFRC 100 and NFRC 200 by an accredited independent laboratory and listed in the NFRC Certified Products Directory under their own numbers.                                               |                                                                                                                                                                                |
| Structural                | Design pressure to be confirmed, by product and size.                                                                                                                                                           |                                                                                                                                                                                |
| Sizes, hardware, warranty | Identical in both regions. The region changes the glass makeup — not the frame, the sightline, the sizes, the hardware or the coverage.                                                                         |                                                                                                                                                                                |

A row that runs across both columns is common to both regions. Only the glass differs.

**Two sizes, always.** Every quotation and every shop drawing carries the build size and the rough opening size — and for doors, the door slab size as well — so you know exactly how to prepare the framing and nothing is assumed on site.



# The numbers a dealer needs.

MAXIMUM SIZES

| PRODUCT            | MM                  | IN              |
|--------------------|---------------------|-----------------|
| Single glass lite  | 6 m <sup>2</sup>    | 64.5 sq ft      |
| Fixed window       | Engineered per unit |                 |
| Casement sash      | 900 × 1800          | 35 3/8 × 70 3/4 |
| Sliding door panel | 1500 × 3500         | 59 × 137 3/4    |
| Swing / entry door | 1000 × 3000         | 39 1/4 × 118    |

Reference sizes; larger sizes on request, confirmed case by case. Metric is the true specification; inches are rounded equivalents. Maximum sizes are the same in both regions.

EGRESS — MINIMUM UNIT SIZE

| PRODUCT  | UNIT WIDTH | MIN. UNIT HEIGHT |
|----------|------------|------------------|
| Casement | 35 3/8 in  | 32 in            |

Meets IRC R310: 5.7 sq ft clear opening, 20 in minimum clear width, 24 in minimum clear height. Smallest egress unit 898 × 810 mm, giving a clear opening of 30 1/2 × 27 1/8 in. The certified Summit range has no sliding window, so casement is the egress product in both regions. Full tables on request.

**To price a Summit package, send three things.** The window and door schedule or a takeoff with opening sizes; the elevations or a plan set, so mulled runs are priced as assemblies rather than separate units; and the finish, interior and exterior. Anything missing we will ask about rather than assume.

CERTIFIED THERMAL PERFORMANCE

| PRODUCT              | SUMMIT WEST | SUMMIT SOUTHWEST |
|----------------------|-------------|------------------|
| Fixed window         | 0.22 / 0.18 | 0.29 / 0.20      |
| Casement window      | 0.27 / 0.19 | 0.27 / 0.19      |
| Swing / entry door   | 0.24 / 0.19 | 0.33 / 0.21      |
| Sliding patio door   | 0.28 / 0.23 | 0.37 / 0.19      |
| Tilt-and-turn window | 0.23 / 0.22 | 0.29 / 0.19      |

U-factor / SHGC, NFRC-certified whole-window values, tested to NFRC 100 and NFRC 200 and listed in the Certified Products Directory. Every value is a directory entry, not a manufacturer’s estimate. **West** is specified where the limit is 0.27 — California, Oregon and Washington. **Southwest** is specified against IECC climate zone 2 at 0.40 — Phoenix, Tucson, San Antonio, Austin and Houston. Certification numbers are issued with the quotation.

**Doors and the area-weighted average.** The IECC and Title 24 judge a schedule on its area-weighted average, not unit by unit. In **West** the sliding door (0.28) sits just above the 0.27 limit, and the fixed units (0.22) bring the average down. Send us the schedule and we run the average with the quotation.



# What Summit is covered for.

| COVERAGE                       | SUMMIT — BOTH REGIONS |
|--------------------------------|-----------------------|
| Frame & welds                  | 10 years              |
| Insulating glass seal          | 10 years              |
| Finish — AAMA 2604 powder coat | 15–20 years*          |
| Hardware mechanism & screens   | 10 years              |

\*The finish term is **15 years** on the standard **AAMA 2604** powder coat; **AAMA 2605** carries **20 years** and must be specified at order, at an upcharge. Coastal salt corrosion is covered on Summit for 10 years. The hardware term covers locks, handles, hinges, rollers, operators and screen mechanisms. Full terms, exclusions and the claim procedure are set out in the Meridian Window Systems Limited Warranty, supplied with every order and available on request.

## CARE AND MAINTENANCE

A thermally broken aluminum window asks very little, but it does ask for something. These six keep the finish, the hardware and the seals inside their warranty terms.

### Wash the finish

Mild detergent and clean water, two to four times a year. No abrasive pads, no solvents and no pressure washer. Within a few miles of the coast, rinse quarterly — Summit carries coastal salt coverage, and keeping to that rinse is part of what holds it in force.

### Clean and lubricate the hardware

Vacuum grit out of tracks and sills. Once a year, lubricate rollers, hinges and locking points with a dry PTFE or silicone spray — not oil, which holds dirt against the mechanism.

### Condensation is not a failed seal

Water on the room side of the glass is indoor humidity meeting cold glass, and it is a ventilation question, not a product fault. A failed insulating glass seal shows as haze or moisture *between* the panes — that is covered.

### Keep the weep holes clear

The sill carries drainage slots that let water back out of the frame. Blocked weeps hold water against the seal, and are a common source of leaks later reported as a product fault.

### Check the seals and the glass

Inspect gaskets annually and replace any that are torn or compressed. Clean glass with a non-abrasive cleaner, never a blade or a scraper, which will damage a Low-E surface.

### Do not paint or seal the frame

The powder coat is the finish. Painting over it, or running sealant across the face of the frame, voids finish coverage. The perimeter joint between frame and wall belongs to the installation and should be inspected yearly.

Full care instructions are supplied with every order. Keeping to them is what keeps the coverage above in force — neglect, impact damage and site-applied coatings are the common exclusions.

# From quote to container.

A Meridian order runs on four steps. What differs from buying locally is not the paperwork — it is how much of the job you can see, from the day the extrusion starts to the photographs of your own crates taken before the container doors close.

01

## Quote

Send a schedule, a takeoff or a set of plans. Opening and build sizes are stated on every line.

02

## Confirm

Deposit paid, then shop drawings for every opening, approved and signed by you. Production is booked once both are in hand.

03

## Track

ClearView shows production stage, container and arrival date, from confirmation through delivery.

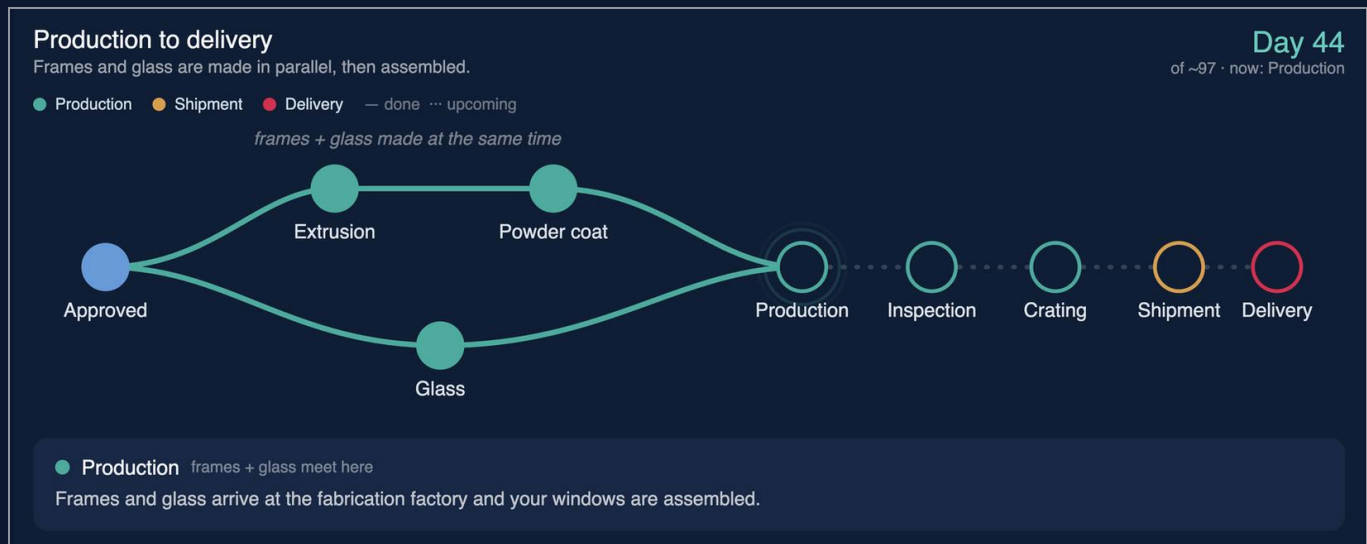
04

## Load

Final inspection and balance due, then labeling, crating and container loading — photographed in ClearView, so you see your own product packed before the container closes.

## CLEARVIEW

The tracking system behind steps three and four. Every order gets its own view: where the frames and the glass are, what stage each is at, which container they are loaded into and when it lands.



ACTUAL VIEW FROM OUR EXISTING CLEARVIEW SYSTEM

## MERIDIAN WINDOW SYSTEMS

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