

Glacier 3300 & Norwood 3000 vs. Luxury Window's *Amalfi*

We invite and encourage careful examination of the data provided herein. We want to be 100% accurate. If any errors are discovered, please forward this information to the Vice President-Sales/Marketing. An immediate investigation will be made to determine its veracity.

*Fleetwood Windows & Doors
Corona, CA
www.FleetwoodUSA.com*

Key Sightlines- Most views are enjoyed with doors in a closed position, which leaves the vertical members as the key sightlines. For sliding doors, those extrusions are called interlockers.

Glacier 3300

- The standard interlocker for the Series 3300 is 2.31" detail regardless of the door height.
 - OPTION: The Series 3000 offers two interlocker choices: The standard and the HP (High Performance). Both verticals manifest a slender 2.12" detail regardless of door height.
 - OPTION: Thicker vertical sightlines are possible with "sightline extenders"
- The 3300 and 3000 come standard with a narrow fixed vertical stile.
 - OPTION: Bottom rail height can be customized to any height using aluminum panel and muntin bar.

Luxury Window & Doors Series Amalfi X

- The standard interlocker is 2.30" detail regardless of the door height.

Hardware Quality- Handles, locking mechanisms, strike plates, rollers and sash balances are components often overlooked when making final decisions. We believe these "little things" are critical. If your product does not operate efficiently for many years it might as well be a fixed window.

Glacier 3300

- **Archetype Hardware:**
 - 100% stainless steel
 - USA manufactured
 - Easy ¼ turn, flush actuator
 - OPTION: Factory black painted.
 - OPTION: Field painted to match custom frame color
 - Lock/Unlock indicator
 - Patent Pending
 - Ergonomic Flush Pull
 - Flush Keyed Lock (optional)
 - Huge laminated hook(s)
 - OPTION: Double Hook Latch (3070-EX and 3050 door only)
- **Stainless steel strike plate:**
 - Attached INTO the jamb, not screwed to the jamb face
 - Robust back plate for added security
 - Stainless steel dust box to hide the wall
 - The plate has over 1" of adjustment.

- Stainless steel precision rollers
 - Authentic precision bearings manufactured in Switzerland
 - Doors operate MUCH better than cheap bearing imitators
 - Tandem 1-7/8" rollers
 - Each roller assembly is easily adjusted with a Phillips head screwdriver
- Stainless steel edge pull
 - Standard on all pocket doors
 - Capable of pulling thousands of pounds
 - Ergonomic pull design
 - Tension spring to avoid 'clanking'
- Stainless steel assembly screws
 - Allows for long-term efficiency in coastal applications.
 - Most manufacturers choose non stainless because the magnetic nature allows easier assembly.
- Stainless steel installation screws
 - Allows for long-term efficiency in coastal applications.
 - Most manufacturers choose non stainless because it is MUCH cheaper.
- Stainless steel track insert
 - Creates ideal conditions of roller and track relationship
 - Provides homeowners assurance of long-term performance
- Screen Door
 - Stainless steel latch assembly.
 - Stainless steel keeper.
 - Aluminum extruded corners that are secured with hidden staking.
 - Stainless steel adjustable rollers and assembly.

Luxury Window & Doors Series Amalfi X

- The Series X comes standard with zinc die cast hardware and small stainless steel latch. *Projects that are near salt water should expect to replace this hardware within months, or perhaps weeks. Fleetwood has had four decades of experience with this 'industry' hardware*
 - The jamb requires a snap in extrusion that that the strike plate as affixed. *The entire security of the door rests on the installer remembering to attach additional screws through this snap-in piece. ALSO, the penetration of the lead vertical into the jamb is not enough. After latching the door, it might be possible to actually move the panel enough to see daylight while LOCKED IN PLACE!*
- The latch strike plate is constructed of painted steel. *Fleetwood's Archetype II Multipoint Latch and Flush Pull has no equal. It is crafted of all stainless steel and is only available on Fleetwood doors. Luxury offers common commercial sliding door hardware—single point latching, inferior ergonomics, stodgy design and corrosion prone zinc alloy.*
 - No dust cover to hide the wall. *Rough lumber or unseemly substrates are obvious.*
 - Plate is surface mounted to a snap-in extrusion. Security test not published. *Compare to Fleetwood and you will once again see our devotion to longevity and detail.*
 - The standard tandem rollers are 3" diameter wheels and equipped with bearings produced in China. *Fleetwood's 3" diameter stainless Precision Mammoth roller was the industry's first—and is still the best. Fleetwood utilizes a Swiss Precision Bearing for the absolute lightest rolling resistance. Luxury's 3" roller uses standard bearings for average performance.*
- The standard rollers for the smaller frame screen panels are of unknown size but produced in China.
- Pocket doors come standard with a common hardware store edge pull with unknown strength. *Fleetwood's Pocket Door Edge-Pull is robust and crafted of stainless steel and mortised flush into the stile. Luxury offers common residential type edge pulls.*
- Screen Door
 - Steel latch assembly. *Will corrode near salt air.*
 - Steel keeper. *Will corrode near salt air.*
 - Aluminum extruded corners that are secured with exposes screws.
 - Steel adjustable rollers and assembly. *Will corrode near salt air and leave the rust deposits on the sill track, which looks terrible and will be carried into the flooring via foot traffic.*

Fit & Finish Aspects- Doors are best enjoyed when looked through, not at and we believe they ought to fit into the architectural landscape rather than draw attention.

Glacier 3300

- Each panel part is a single extrusion so there are no glass stop seams. Dry glazed with a wrap around vinyl that is reusable and easy to replace if damaged.
 - OPTION: Single glazing is offered on the Norwood 3000 and clean, extrusion adapters are used to avoid excessive exposed vinyl. These extrusions match the frame finish.
- The fixed panels are secured with a hidden sill block which is exclusive to Fleetwood doors.
- Head tracks are provided with extruded aluminum snap-in closers.
- Dark bronze anodized spacers for insulated glass cut down glare.
- Easily replaceable stainless steel insert gives perfect convex/concave relationship with roller wheels

Luxury Window & Doors Series Amalfi X

- Each panel part is a single extrusion so there are no glass stop seams. *The wet seal method of glazing does produce obvious, unsightly silicone lines. Single glazing produces copious amounts of black silicone. Glass replacement is more of a 'throw away and a buy new door' situation.*
- The fixed panels are secured with a exposed aluminum clip and exposed screws. *Security is an issue and these clips are more suited for tract home doors instead of luxury living.*
- Head tracks are not provided with extruded aluminum snap-in closers. *Allows air, bugs and debris (sand) to more easily enter the home.*
- Glass spacer color is unknown. *Clear spacers cause glare.*
- Non-replaceable track is made of aluminum with a stainless steel cap that the roller rides on. *These caps are temporary at best.*

Energy- For the purposes of this comparison we consider heat/cold transfer (u-value) and direct sun heat (short wave radiation) as the key factors in determining the energy benefits.

Glacier 3300

- Thermally broken panel & frame extrusions = excellent NFRC u-value ratings
- Thermally broken panel & frame extrusions = excellent condensation resistance (frost climates)
- Thermally broken panel & frame extrusions = excellent resistance to radiant heat (sunbelt climates)
- Wedge interlocker design for better air infiltration resistance.

Luxury Window & Doors Series Amalfi X

- Non-Thermally broken panel & frame extrusions = moderate NFRC u-value ratings
- Non-Thermally broken panel & frame extrusions = moderate condensation resistance (frost climates)
- Non-Thermally broken panel & frame extrusions = moderate resistance to radiant heat (sunbelt climates) *This should give justifiable pause to anyone considering this product for real energy benefits. There is no question that thermal break costs more to produce and therefore places the Glacier 3300 at a higher cost. If energy and comfort can be compromised we recommend the Norwood 3000 which is still a superior product than the Series Amalfi but less expensive than the Glacier 3300.*

Green & Sustainable- Without question, the Glacier 3300 and Norwood 3000 are THE greenest and most sustainable luxury sliding doors made in the United States.

Glacier 3300

- Thermally broken perimeter frame AND panels offer ultimate energy efficiency in an aluminum window.
- The steadiness of aluminum during temperature changes reduces energy consumption.
- 1" Insulated glass with many high performance glass options.
- Constructed with naturally abundant aluminum bauxite (8% of the earth's crust).

- Manufactured with high recycled content of post consumer aluminum (40%-50%) and glass (varying %).
- 100% of the aluminum remnants are recycled.
- Long life cycle because of the enduring nature of aluminum, leaving a small footprint.
- Lifetime finish if maintained.
- Factory baked finishes = No VOCs.

Luxury Window & Doors Series Amalfi X

- The Series Amalfi does NOT have thermally broken panel parts. *This equates to more than 90% of the entire opening being less energy efficient. In the Sunbelt states, hot days = hot doors. In the Norwood "CR" the thermal break 'breaks' the transference of that heat so you do not burn your hand touching the inside of your door. FACT- it is easier and cheaper to avoid thermal break BUT it is the more responsible product!*

Strength & Sizes- The size capabilities determine inherent strength.

Glacier 3300

- The energy benefits of the Series 3300, e.g. the thermal break material, limits the panel widths to 5' and the height to 10'. In some cases, Fleetwood has manufactured this product wider or taller. Consult with the factory if you would like larger panels.
- OPTION: The Series 3000 is capable of panels as wide as 6' wide or 12' tall. In some cases, Fleetwood has manufactured this product wider or taller. Consult with the factory.

Luxury Window & Doors Series Amalfi X

- Is not thermally broken and is offered in sizes similar to Fleetwood's Norwood 3000.

Performance Capabilities- The reality of sliding doors is that they must defend against destructive agents such as rain and high winds.

Glacier 3300

- The Series 3300 can be made to resist structural winds that exceed 130 mph.
- The Series 3300 can be made to handle rain equal to the pressures of a 40-story building.
- OPTION: The Norwood 3000 can be made to resist structural winds that exceed 250 mph and handle rain equal to the pressures of a 60-story building.

Luxury Window & Doors Series Amalfi X

- The Series Amalfi makes no performance claims.

Installation & Maintenance- Effective product design should include installation assistance and convenient maintenance.

Glacier 3300

- The perimeter frame comes standard with an integral nail-fin.
- The screen door comes standard with stainless steel, ball bearing rollers AND a stainless steel latch and strike plate.
- The Series 3300 comes with detailed Care & Maintenance Instructions to ensure a long life.

Luxury Window & Doors Series Amalfi X

- ONLY offered with a block frame. *This lack of nail fin will make it very difficult to waterproof the installation. The owner will bear this liability for many years.*
- Installation and assembly screws are steel or other highly corrodible metals. *If the project is near the coast, maintaining the Amalfi will be a challenge. Changing a simple latch becomes a MAJOR ordeal when attachment screws break.*

- China factory wet glazing requires a whole new panel if glass needs replacing. *This company does not have deep roots in America and one should consider the probability that they might not be in the USA in the future.*
- The perimeter frame is block and therefore requires professional installation using backer rod and a compatible sealant.
- The Series X is not offered with installation instructions.

Experience & Commitment to Quality- These are two areas which are often overlooked when deciding upon a window or door product.

Fleetwood

- Making aluminum sliding doors since 1962.
- Market focus = high end luxury homes
- Products produced in one 207,000 square foot building in California.
- Limited Lifetime Warranty on all products.
- Standard custom paint is 70% Kynar.
- Standard bronze anodize is Class I (twice as thick as Class II)
- OPTION: 10 year finish warranty.

Luxury Windows & Doors

- Opened doors in 2005 as a broker.
- Market focus = offering a Chinese version of successful USA door & window products.
- Products produced in China. US address is "Unit D".
- No published warranty. *"Made In China" is not your assurance of quality.*
- Standard paint and anodizing or unverifiable because of Chinese quality. *Fleetwood offers 'Edge Armor' finishing in 70% Kynar with a 10-year finish warranty. Luxury does not.*

Profile Comments: Luxury Windows & Doors is also often referred to as Luxury Window.com of San Diego, California and until 2008 were known as Luxury Windows and Doors of Shenzhen, China since all products were produced in that city and shipped to the San Diego area office of Luxury Windows and Doors. For more information on the Luxury Windows Amalfi X Series multi-slide door system and their Amalfi X Series sliding pocket door system you can visit their website at www.luxurywindows.com In fact, this comparison of Luxury Window's multi-slide door and pocket door system "Amalfi X Series Multi-slide" was created in large part by information contained at www.luxurywindows.com If during your examination of Fleetwood vs. the Luxury Windows.com you find any disparities we would appreciate it if you would contact us so we can apply these corrections immediately.