



Z-Series All-Aluminum Sill

Release Date - January 2008

Product Summary

All Aluminum Sills have traditionally been utilized in temperate market areas as well as those with extreme heat conditions, and have long suffered from outdated designs and a poor performance. The Z Series All Aluminum Sill (ZAA) completely updates existing designs with many of the patented features and benefits of the Z Series All Composite Sill. The ZAA design is based off of a new cap design that utilizes a sealed adjustment mechanism which makes the cap independent of the sill substrate. As such, Z Series modularity, as well as performance, is available in an All Aluminum design.



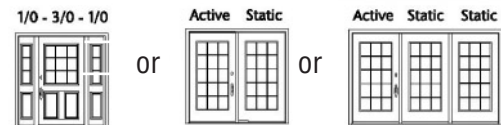
Product Features and Benefits

Performance: Based upon the high dam design of the Z Series Sill, the ZAA sill exhibits comparable performance results of DP40 for water infiltration and DP55 for structural results.

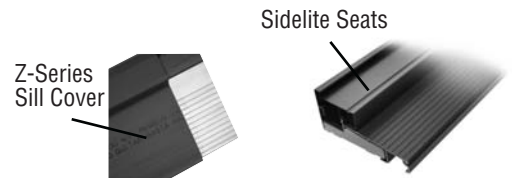
- **Durability:** All Aluminum construction withstands all heat and abusive conditions which exist in some markets and can render other designs incapable of performing.
- **Overlap Cap with Sealed Adjustment Mechanism and Integrated Seal:** Exposed adjustment screws can rust and make adjustments impossible as well as the sill unattractive. Patented design prevents damage to the adjusting mechanism, while maintaining a dual seal against air, water, and debris. Competitive products rely only upon either an overlap of aluminum or a plastic seal to provide performance, resulting in field failure.



- **Configurations Available for all Door Systems:** The ZAA sill is available in configurations for single and French doors, as well as for continuous configurations for Sidelite and Hinged Patio Applications. Inactive Panel Seats for multiple panel configurations can be utilized for Sidelite, Patio, Triple and Quad units with a continuous sill.

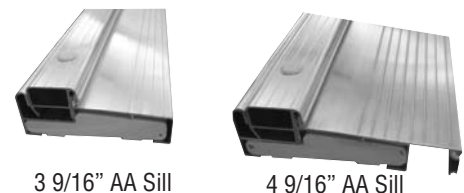


- **ZAA Inactive Panel Seat:** A new All Aluminum Inactive panel seat is available in mill and bronze finishes.
- **Compatibility with Z Series:** Z Series Sill Covers and Sidelite Seats can be utilized with the ZAA Sill. In addition, ZAA Sills share Z Series mull haunch details, making use of either product an option with no obsolescence of existing wood parts.
- **Substrate Option:** Product available in either composite or wood substrate in full length or block designs.



Product Availability

ZAA Sills available in 3 9/16" and 4 9/16" widths, Mill or Bronze Finish; 4 9/16" width is extender capable. Availability Date: January 2008



Product incorporates features covered under U.S. patents: 5,426,894, 5,588,266, and 5,611,173.

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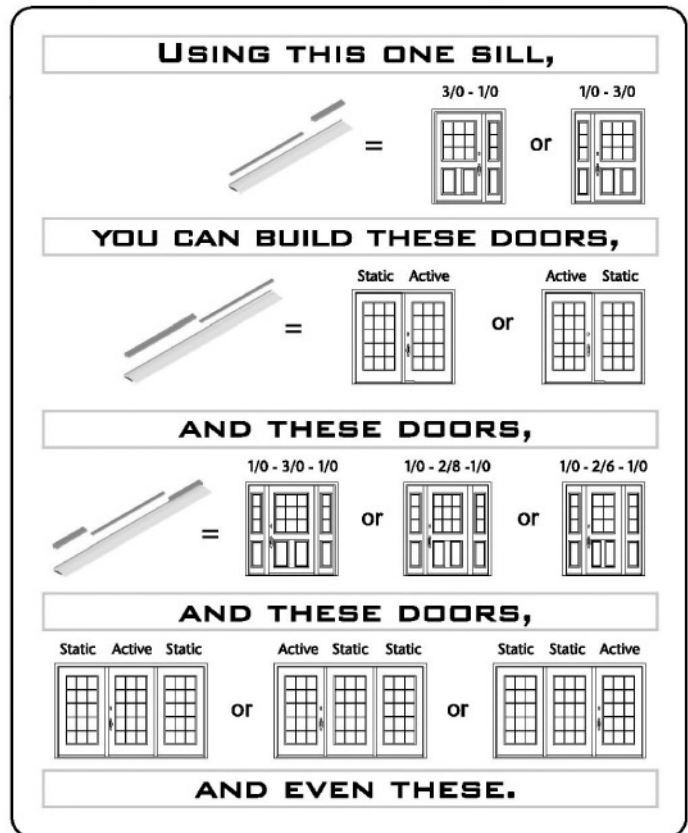
Modularity

Perfect for sidelite or patio systems, these patented and repositionable seats ensure consistent, accurate positioning of the sidelite panel. Creating a wide variety of door unit configurations, the modularity also allows you to hold your inventory count down.

Testing & Performance

The All-Aluminum Sill has been Certified Tested by an independent lab. Results are as follows:

| TEST | RESULT |
|------------|--------|
| Air | Pass |
| Water | DP40 |
| Structural | DP 55 |



Competitive Analysis

Z-Series All Aluminum Sill out performs all the competition

| | Cap | Sealed Adjustment | Modularity | Sidelite Seats | Z Series Component |
|--------------------------|-------------------------------|---------------------|---|---|--|
| ALL ALUMINUM SILL | High dam with integrated seal | High heat cap plugs | Re-configure with moveable cap & sidelite seats | Continuous sill for accurate positioning; all aluminum for high heat environments | Compatible with sill covers and sidelite seats |
| OTHER GUYS | No seal | Cap plugs fall off | None | None | Unique components required |