

# Water Resistance



COMMERCIAL | RESIDENTIAL



*The **Water Resistance Package** provides a custom water-resistant feature unique to ArmRLite.*

ArmRLite's Water Resistance Package is an upgrade option where all of the rails and stiles on our aluminum and glass overhead doors are injected with polyurethane expanding foam and sealed thereby forming a water-resistant feature. Filling the normally hollow rails and stiles will not eliminate water infiltration, however, it greatly reduces water infiltration.

ArmRLite's Water Resistance Package can be used with both insulated and non-insulated glass and panels and is available on any of our welded aluminum models.



## **Water Resistance**

Water resistance is created from the interior sealing of aluminum members during the manufacturing process, virtually sealing it from the inside-out. All rail and stile aluminum doors leak where rails and stiles are butted together. Sealing and filling the rails and stiles will not eliminate water infiltration. You may still get water leakage in a driving rain and the product **should never be power washed**. What we have found is that by adding this option, it greatly reduces water infiltration. Architects and designers should consider these facts when using our product in finished spaces.

# Water Resistance



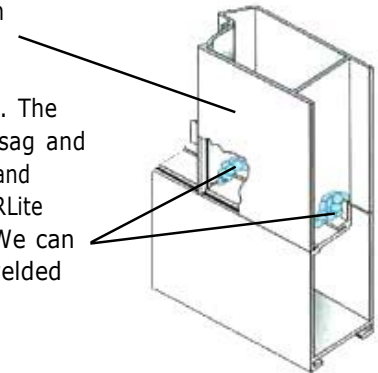
## SUPERIOR CONSTRUCTION METHOD

### Heli-Arc Welding Method

Lengths of 6063-T6 alloy hollow aluminum extrusions are cut to size for rails and stiles. Stiles are then contour-milled and accurately joined to the rails by concealed heli-arc welds to produce flush, hairline joints and framework unequalled in strength and durability.

**1.** Strong four-sided tubular extrusions are used rather than weaker three-sided which can crumple under pressure.

**2.** ArmRLite is the only glass garage door manufacturer that produces a welded frame. The most common construction method uses thru-bolts to hold sections together – which sag and separate over time, affecting curb appeal and reducing the performance life of the sections and door. Welds are permanent and outperform thru-bolted construction year after year! ArmRLite has used the same construction method starting with our first welded door in 1958. We can reproduce identical sections to replace impacted or damaged sections for all of our welded models – regardless of purchase date!



### Water-Resistant Option

All of ArmRLite's welded aluminum and glass models are available with our exclusive Water Resistance Package for maximum water resistance.

**1.** After welding, polyurethane expanding foam is injected directly into the hollow four-sided extrusions. The foam expands and fills every hollow space within the frame with hardening foam.

**2.** All meeting members are completely sealed, making the frame water resistant. This process does not eliminate water infiltration.

**3.** Custom end caps are available as an upgrade to conceal any visible foam in the end stiles against the track. Custom end caps are finished to match door frame, even if custom colors are used.

