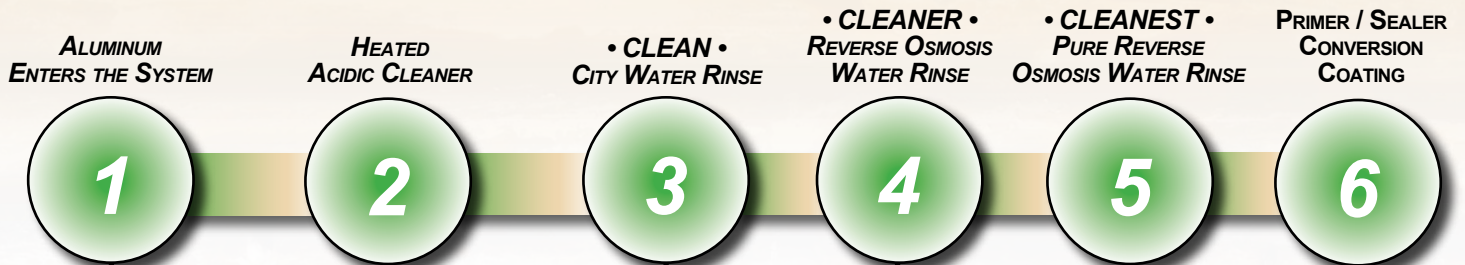


# 10 STEP POWDER COATING PROCESS



**STEP #1:** Our raw premium grade aluminum is inspected to be free of blemishes and is not exposed to the outdoor elements.



**STEP #2:** Product enters heated acidic cleaner stage to remove extrusion and fabrication oils.



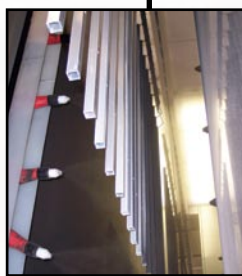
The next four stages consist of a:  
**STEP #3:** (CLEAN) City water rinse,  
**STEP #4:** (CLEANER) Recycling reverse osmosis water rinse,  
**STEP #5:** (CLEANEST) Pure reverse osmosis water rinse, and  
**STEP #6:** Primer/sealer conversion coating.

**AIR KNIFE  
REMOVES  
WATER DROPS**



**STEP #7:** A 200 MPH air blast removes water drops from the pre-treated product.

**DRY-OFF  
OVEN**



**STEP #8:** A convection oven completes the dry-off process.

**POWDER COATING  
APPLICATION**



**STEP #9:** Powder application is automated. Compressed process air is dried to -35°F Dew Point for superior adhesion and aesthetics. The powder booth contains powder coating overspray with no emissions to the surrounding environment.

**INFRARED AND  
CONVECTION  
OVEN CURE STAGE**



**STEP #10:** The final step of the powder coating process is the cure oven where the powder coating gels and bonds to the aluminum.

Ten pre-treat system titration checks twice per shift maintain system parameters and ten QC checks are completed every hour on product coming off the production line.

Parts are not touched by human hands during the pre-treat, dry-off, application, and cure process to maintain ultimate cleanliness of parts to be coated.