

## 15-Point Quality Vinyl Assurance Program

Our Vista Series windows and doors contain quality PVC formulation and the vinyl extrusion process includes the following testing to meet or exceed requirements set by AAMA.

### **Raw Materials**

Key raw materials are tested, such as the PVC, titanium dioxide, and impact modifiers to ensure they meet strict specifications.

### **Compounding**

Analytics are used to compare the compounded formula for blending uniformity and consistency.

### **Processing Tolerance**

Continuous testing is done during production for adherence to the QC drawing tolerances.

### **Finish**

To assure great consistency, a colorimeter is used to verify finishes match master guidelines.

### **Accelerated Weathering**

Constant machine testing is done for intense UV and humidity exposure, simulating harsh outdoor environments.

### **Weatherability**

Exposure to weather in Arizona, Florida, and Ohio for a minimum of two years confirms performance for color retention and impact resistance.

### **Heat Resistance**

Exposed to extreme heat, then inspected for changes in the surface, size, and shape.

### **Dimensional Stability**

Exposed to elevated temperatures and measured for lineal shrinkage and stability.

### **Impact Resistance**

Measured for resistance to cracking during fabrication or other foreign impacts.

### **Tensile Strength**

Measures the force required to pull vinyl apart.

### **Weight Tolerance**

Confirms conformity to the standards outlined in the original specification for profile weight.

### **Weld Strength**

Measured by using force greater than the strength of the vinyl extrusion so the profile will break before the weld.

### **Heat Absorption**

Exposed to infrared radiation to determine the amount of radiant heat it can absorb and still remain stable.

### **Profile Deflection**

Measures the bending temperature when loaded under a specific weight.

### **Desert Exposure**

Tested at a test site in the desert of Utah that allows testing to exceed ten times the requirement set by AAMA guidelines.