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*"The Leader in Glass Fabrication"™*

## **Simulated Acid Etch Ceramic Frit V1085 & Simulated Sandblast Frit V1086**

The following guidelines are provided for applications of the V1085 Simulated Acid Etch and the V1086 Simulated Sandblast ceramic frits. These frits are applied with a silk-screen application for both vision and spandrel glass areas. (Silk-screen size restrictions apply.) Based on the inherent characteristics of V1085 & V1086 frits, they are not allowed in any interior application for either silk-screen patterns or full coverage.

### **Exterior Vision Applications:**

- May be applied to any surface except the #1 surface (including full coverage per the 100% coverage criteria below).
- Silk-screen pattern maximum coverage is 80% (on any glass area square footage), with the minimum image and spacing allowed of 1/16" (1.5mm.)
- Reflective and Low-E coatings may be applied over the frits if the frit coverage does not exceed 80% on any area of the glass lite.
- 100% frit coverage is only allowed on an uncoated lite with the following criteria:
  - Pinholes to 1/16" diameter, fisheyes, streaks from screening process, and paint particles are allowed. Large clusters or close spacing of pinholes or other defects are not allowed in the central 80% of the glass area.
  - Color and Uniformity may vary slightly due to variations in ceramic frit thickness.
  - Approval of a full size mockup at an 11' inspection distance and a 90-degree angle to glass surface against a bright uniform background is required.

### **Exterior Spandrel Applications:**

- Allowed on the #2 or #3 surface only of an insulating glass unit.
- Allowed on a laminated glass surface #3, #4, or #5 only in an insulating laminated unit with a coating on the #2 surface.
- Allowed on a #3 surface of a laminated unit with a high performance coating on the #2 surface. A coating is required to reduce heat buildup in the laminated glass.
- Not allowed on a surface exposed to the spandrel cavity due to concerns of possible read through from condensation, dirt and other contaminants.
- Reflective and Low-E coatings may be applied over the frits if the frit coverage does not exceed 80% on any area of the glass lite.
- Allowed on the #3 surface of a HRG-2 or StormGuard hurricane resistant laminate with an approved coating on the #2 surface to reduce the heat buildup in the laminated unit.

Again, note that the V1085 and V1086 ceramic frits are not applied as a roller coated product, but only as a silk-screened application. The simulated acid etch or simulated sandblast ceramic surfaces are more difficult to clean than untreated glass surface. Cleaning these surfaces is similar to but easier to clean than a traditional sandblasted surface. For cleaning guidelines, please contact Viracon at 800-533-2080.

Note: The V1085 and V1086 frits can not be substituted as replacement glass for previous offerings of simulated sandblast ceramic frits (V914 and V708.) Contact Viracon Technical Services with any questions.