

SAFETY-PLUS® II Glasslam Laminating System

Technical Data Sheet

Type:

Special Polymer, specifically blended and designed for laminating safety glass.

Distinguishing Characteristics:

- Outstanding Clarity and Superior Strength
- Refractive Index Match to Glass
- Excellent Chemical Adhesion to Glass
- Safety-Plus® II Mechanical Glazing (Patent No. 5,778,629)

Cured Properties:

- | | |
|--------------------------------|---|
| - Hardness: Shore A | 70 |
| - Tensile Adhesion to Glass | 112 |
| - Flexural Strength | 1806 psi |
| - Environmental Exposure Tests | Passes Thermal/Humidity Cycling |
| - Thermal Cycle | 4.5C(40F)/74C(165F) 4 Cycles; (12 hr/cycle) |
| - Humidity Cycle | 90.5C(195F)/95%R.H. 48 hrs min. |

Testing Data:

South Florida Building Codes:

- | | | |
|------------------------|---------------------------------------|----------|
| - Large Missile Test | (50' /sec) | Complies |
| - Small Missile Test | (80' /sec) | Complies |
| - Cyclic Wind Pressure | (9000 Cycles) | Complies |
| | 32,000 Cycles up to 339 P.S.F. @ 0.90 | |
| - Self Ignition | (ASTM D-1929) | Complies |
| - Rate of Burning | (ASTM D-635) | Complies |
| - Smoke Density | (ASTM DE084) | Complies |
| - Weather Test | (6500 Watt Lamp for 4500 hrs) | Complies |
| - Tensile Test | (ASTM D-638) | Complies |
| - Impact | 16 CFR 1201 CAT II | Complies |
| | ANSI Z97.1-1984 | Complies |

Compatibility:

- | | | |
|--------------------|----------|------|
| - Water | 1680 hrs | Pass |
| - Mineral Spirit | 1681 hrs | Pass |
| - Dow 995 Silicone | 1682 hrs | Pass |
| - G.E. SCS 2800 | 1683 hrs | Pass |