

SL-21 & SL-22 Testing

SL-21, 22	Test	Description	Performance
	UBC Standard 7-2, NFPA 252, UL 10C	90-Minute Full-Scale Vertical Fire Test of Doors, Positive Pressure.	Complied with acceptance criteria for 90-minute rating
	ASTM E 84	Surface Burning Characteristics, Class A Faces of FRP Interior Panels Option on Interior Faces of FRP Exterior Panels and Both Faces of FR Interior Panels, Flame Spread Smoke Developed	Maximum of 25 Maximum of 450
	ASTM E 84	Surface Burning Characteristics, Class C Faces of FRP Exterior Panels Flame Spread Smoke Developed	Maximum of 200 Maximum of 450
	ASTM D 256	Impact Strength, FRP Doors and Panels, Nominal Value	15.0 foot-pounds per inch of notch
	ASTM D 638	Tensile Strengthh FRP Doors and Panels, Nominal Value	14,000 psi
	ASTM D 790	Flexural Strength, FRP Doors and Panels, Nominal Value	21,000 psi.
	ASTM D 570	Water Absorption, FRP Doors and Panels, Nominal Value	0.20 percent after 24 hours.
	ASTM D 2583	Indentation Hardness, FRP Doors and Panels, Nominal Value	55
		Taber Abrasion Test, Abrasion Resistance, Face Sheet, 25 Cycles at 1,000 Gram Weight with CS-17 Wheel	Maximum of 0.029 average weight loss percentage
	ASTM D 1308	Stain Resistance	Face sheet unaffected after exposure to red cabbage, tea, and tomato acid. Stain removed easily with mild abrasive or FRP cleaner when exposed to crayon and crankcase oil.
	ASTM D 543	Chemical Resistance 1. Acetic acid, concentrated. 2. Ammonium Hydroxide, concentrated. 3. Citric Acid, 10%. 4. Formaldehyde. 5. Hydrochloric Acid, 10% 6. Sodium hypochlorite, 4 to 6 percent solution	Excellent rating