

SL-17 PEBBLE GRAIN FRP/ALUMINUM HYBRID DOOR TEST RESULTS

| Door Panel |
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| Thermal Transmittance, AAMA 1503-98: |
| U-Factor = 0.29 Btu/hr·ft ² ·°F, CRFp = 55 |
| Indoor Air Quality, ASTM-D5116, ASTM-D6607: |
| GreenGuard, GreenGuard Gold |
| Door and Aluminum Tube Frame Assembly |
| Physical Endurance, ANSI A250.4: |
| 25,000,000 Cycles, No Damage |
| Salt Spray, ASTM-B117: |
| 500 hours minimum exposure |
| Air Leakage, NFRC 400, ASTM-E283: |
| <i>Opaque Swinging Door (< than 50% glass)</i> |
| 0.01 cfm/sqft @ 1.57 psf |
| 0.01 cfm/sqft @ 6.24 psf |
| <i>Commercially Glazed Swinging Entrance Door (> than 50% glass)</i> |
| 0.38 cfm/sqft @ 1.57 psf |
| 0.73 cfm/sqft @ 6.24 psf |
| Structural Performance, ASTM E-330: |
| <i>Single or Pair of Doors, 8'4" x 8'2" overall size, single point latching</i> |
| ± 75 psf design pressure, pass |
| Impact and Cycle Test, ASTM-E1886: |
| <i>Single or Pair of Doors, 6'8" x 7'8" overall size, 3-point latching</i> |
| 9 lbs. missile @ 50 fps, minimum 3 impacts, no rips, tears, or penetrations |
| ± 75 psf design pressure, pass |
| Forced Entry, AAMA 1304: |
| <i>Single or Pair of Doors, 6'8" x 7'8" overall size, 3-point latching</i> |
| 300lb Pull Test, pass |
| Impact Test, TAS 201: |
| <i>Single or Pair of Doors, 6'8" x 7'8" overall size, 3-point latching</i> |
| 9 lbs. missile @ 50 fps, minimum 3 impacts, no rips, tears, or penetrations |
| Static Air Pressure, TAS 202: |
| <i>Single or Pair of Doors, 6'8" x 7'8" overall size, 3-point latching</i> |
| ± 65 psf design pressure, pass |

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| Forced Entry, 300lb Pull Test, pass |
| Cyclic Wind Pressure Loading, TAS 203: |
| <i>Single or Pair of Doors, 6'8" x 7'8" overall size, 3-point latching</i> |
| ± 65 psf design pressure, pass |
| Security Test, ASTM-F476: |
| Minimum Grade 40 |
| Blast Test, ASTM-F1642: |
| 6 psi @ 45 psi-msec, minimal hazard, operable |

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| Door and Thermally Broken Aluminum Frame Assembly |
| Thermal Transmittance, NFRC 100: |
| <i>Opaque Swinging Door (< than 50% glass)</i> |
| U-Factor = 0.31 Btu/hr-ft ² -°F |
| <i>Commercially Glazed Swinging Entrance Door (> than 50% glass)</i> |
| U-Factor = 0.64 Btu/hr-ft ² -°F |
| Air Leakage, NFRC 400, ASTM-E283: |
| <i>Opaque Swinging Door (< than 50% glass)</i> |
| 0.01 cfm/sqft @ 1.57 psf |
| 0.01 cfm/sqft @ 6.24 psf |
| <i>Commercially Glazed Swinging Entrance Door (> than 50% glass)</i> |
| 0.38 cfm/sqft @ 1.57 psf |
| 0.73 cfm/sqft @ 6.24 psf |
| Sound Transmission, ASTM-E90: |
| STC = 30, OITC = 29 |