

FRP/Aluminum Hybrid Door

The SL-20 is constructed as tough as the SL-17, but with a softer, smoother appearance

The Special-Lite® SL-20 FRP/Aluminum Hybrid Door is strong, yet aesthetically-pleasing with its exclusive, exterior-grade sandstone-textured FRP surface finish. Tough enough for all your high traffic exterior entrance locations, but also attractive enough to complement indoor spaces. The SL-20 has the same durable construction as the SL-17 for long life and low maintenance and is available in many prominent architectural through-colors.

Features & Benefits

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy.
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods.
- Standard and optional internal reinforcements provide secure attachment for the exact hardware specified.
- Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door.
- Face sheets are .120" thick sandstone-textured FRP and will never rust, corrode, crack, split, peel or rot.
- Face sheets available in standard through-molded colors so scratches will not be obvious (max size = 4' x 8').
- Color match available in painted sandstone-texture sheet.
- Poured-in-place closed cell urethane core that is a minimum of 5 lb./cubic foot density.
- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware.
- All anodized finishes are Class I (.7 mil).
- Unique configurations such as arched doors, odd sizes, unequal pairs, dutch or bi-fold doors and custom lites are no problem.
- Thermal performance — minimum U-value/R-value = .29U/3.45Rp



At the Core of our Door's Strength is our Door's Core

The poured-in-place urethane core of our SL-20 is not just a passive filler — it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density.

This strong, lightweight, structural urethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our urethane foam won't absorb or be damaged by water.

Building Applications

The SL-20 features an aesthetically-pleasing, fine-grained surface finish. This door withstands high traffic, improves security and increases energy savings. Building types include: public buildings, schools, universities, dorm rooms, government, restaurants, hotels, healthcare, fitness and sports buildings.

SL-20 Door Construction

