

FRP/Aluminum Hybrid Door

Special-Lite was the first to introduce the FRP/Aluminum Flush Door in 1981 – our SL-17

Special-Lite® SL-17 pebble grain doors were first designed to offer a solution to the school market by offering a door product that would have a long, maintenance-free life and dent/graffiti resistance for tough applications. It didn't take long for the SL-17 to be synonymous with School Door. Over the next 30+ years, with advancements in materials and technology, this door moved from schools to many other high abuse and heavy traffic locations.

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.
- SpeLite3® face sheets are .120" thick and provide scratch, scuff and fade resistance and will never rust, corrode, crack, split, peel or rot.
- Face sheets available in standard through-molded colors so scratches will not be obvious.
- Color match available in painted pebble grain 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 1 (.7 mil).
- Unique configurations such as arched doors, odd sizes, unequal pairs, monorail cut-outs, dutch or bi-fold doors and custom lites are no problem.
- Thermal performance — minimum U-value/R-value = .29U/3.45R



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

The poured-in-place urethane core of our SL-17 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

For problem entrances or challenging environments, you can't beat the super tough SL-17. It is the informed choice for K-12 schools, public buildings, sports complexes, water and wastewater treatment facilities, and other applications that quickly damage or even destroy lesser doors.

SL-17 Door Construction

