

# Traditional looks with thoroughly modern performance

**S**pecial-Lite® SL-18 Colonial, SL-18S Smooth Colonial and SL-19 Wood Grain Doors combine traditional styling with the advantages of modern engineering and materials to deliver high performance and long life. They feature a remarkable acrylic modified polyester (AMP) face sheet material that offers the attractive appearance of wood, without the disadvantages of real wood. They're durable enough for even high traffic entrances in educational, religious, retail and municipal facilities that call for the classic appearance of a wood door.

Unlike wood doors, Special-Lite AMP Doors can't warp, split, peel or rot. The AMP surface offers a degree of resistance to stains, scuffs and impacts that would easily damage wood. It's also resistant to the elements and corrosive environments—even coastal salt spray—and offers excellent cleanability. Whether for new construction or historic preservation projects, an investment in AMP colonial or wood grain doors will pay dividends in attractiveness and durability for years to come.





### **SL-18 and SL-18S AMP Colonial Doors**

The SL-18 AMP Colonial Door and SL-18S Smooth AMP Colonial Door are classic 6-panel style doors designed to meet the aesthetic considerations of Georgian and Colonial style architecture. The SL-18 has the appearance of a traditional colonial style wood door, right down to the realistic oak grain detail. The SL-18S has a smooth surfaced sheet rather than wood grain. Both models provide the durability, long-life and low maintenance advantages of a Special-Lite Flush Door. Choose from a variety of vision lite options, with or without muntins, to satisfy any architectural requirement.

### **SL-19 AMP Wood Grain Door**

The SL-19 AMP Wood Grain Door projects the rich, warm appearance of a traditional flush wood door, while providing the long-life and low maintenance performance of a Special-Lite AMP Flush Door. It can be specified with custom vision lites to create just the functionality and style desired.

### **SL-22 Fire-Rated AMP-Clad Door**

Special-Lite offers the SL-22 Fire-Rated AMP-Clad Door, which is the perfect complement to our AMP Doors for interior applications that require a 90-minute fire door. Tested in accordance with UBC 7-2, NFPA 225, and UL 10C requirements for interior applications, the SL-22 has passed the 1½ hour positive pressure test, hose stream test, and 250°F (121°C) temperature rise test to achieve Warnock Hersey listing for fire-rating applications in the United States.

## **Why a heavier, more rigid door isn't a more durable door**

**C**onventional wisdom says that a heavier, more rigid door is a stronger door. We say that employing sound engineering principles results in a lighter door that's actually a better door.

Heavy, rigid doors subjected to severe use and abuse place high loads on hardware and framing. Installing heavier hardware isn't the solution, though, because it simply increases the weight of the door, stressing hardware and framing all the more. The result is eventual entrance failure.

In contrast to the Heavier is Better philosophy, we make Special-Lite Doors as light as possible. We give them a high degree of flexibility and fatigue endurance to absorb the forces involved and prevent structural degradation over time. Less door mass not only means reduced wear and tear on hardware and framing for longer entrance system life, but reduced opening effort, as well. But don't confuse lightweight with light-duty. All Special-Lite Doors are heavy-duty doors, and should only be compared to other heavy-duty doors.



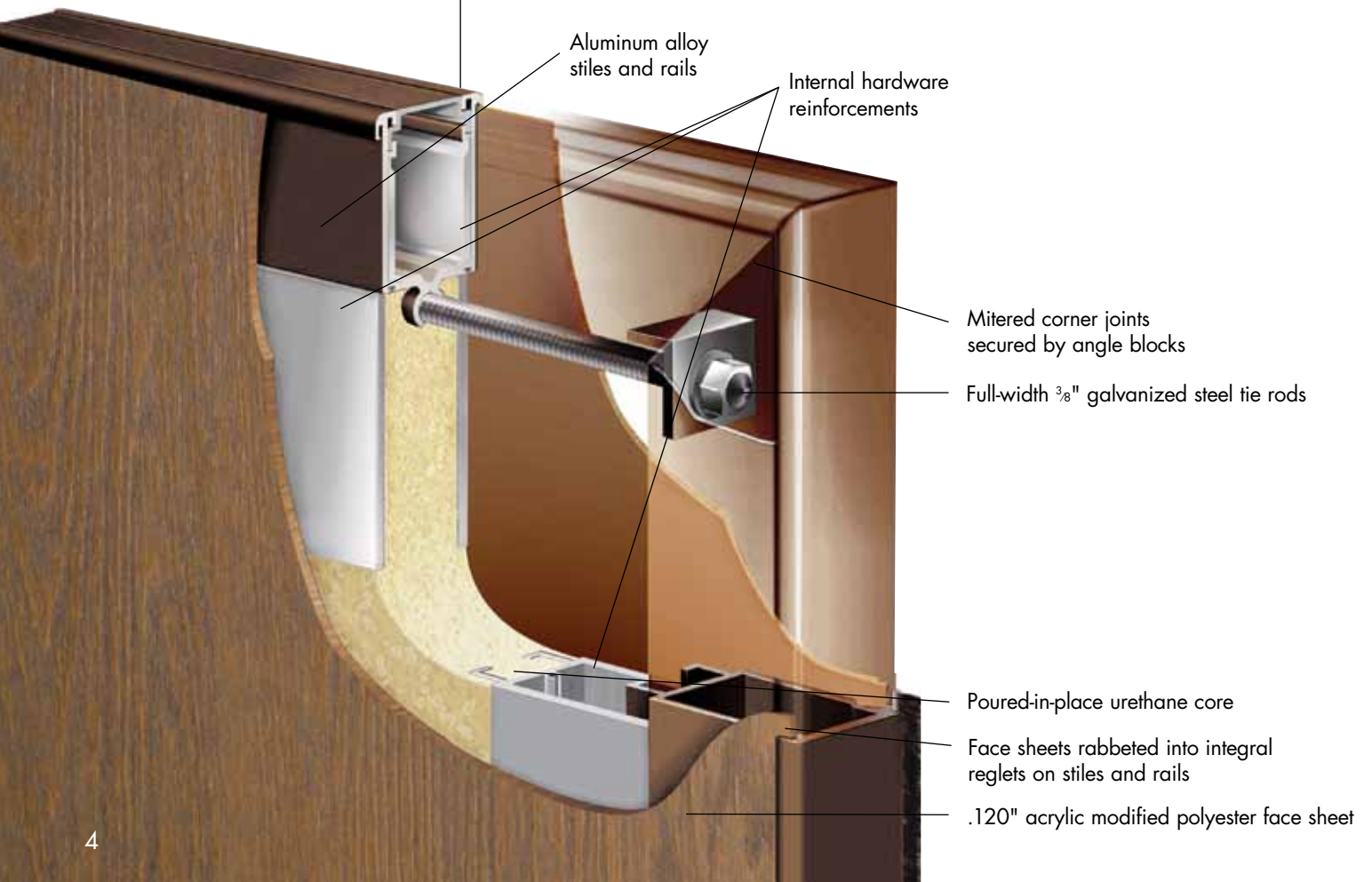
# Better materials and designs for better doors

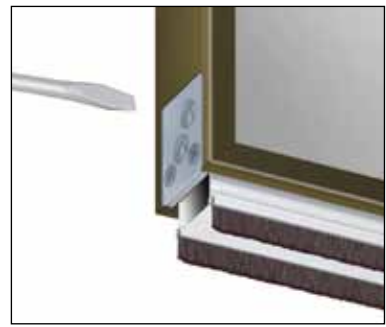
All Special-Lite AMP face sheets are .120" thick for durability. Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door. Securing the face sheet continuously on four sides without troublesome screw-applied capping is only possible with mitered corner joinery. Of course, it's definitely more difficult to manufacture doors this way, so other door makers don't do it. But the fact that it results in a much more durable door is all the reason we need.

Our stiles and rails are extruded 6063-T6 aluminum alloy, sized and configured for maximum strength without unnecessary, non-functional bulk. All anodized finishes are Class I (.7 mil) to ensure long-lasting beauty with only routine cleaning using mild soap and water.

We join stiles and rails with mitered corners secured by angle blocks and  $\frac{3}{8}$ " diameter full-width galvanized steel tie rods. The tie rods run through integral splines in the top and bottom rails, effectively making the tie rod a part of the rail. This method of construction provides the necessary flexibility to withstand abuses that would cause a mechanically-joined or welded corner to fail.

Standard and optional internal reinforcements provide secure attachment for the exact hardware specified. We can supply doors with hardware installed, or reinforced and prepped for field installation of hardware.





Adjustable Bottom Brush compensates for out-of-position or settling floors

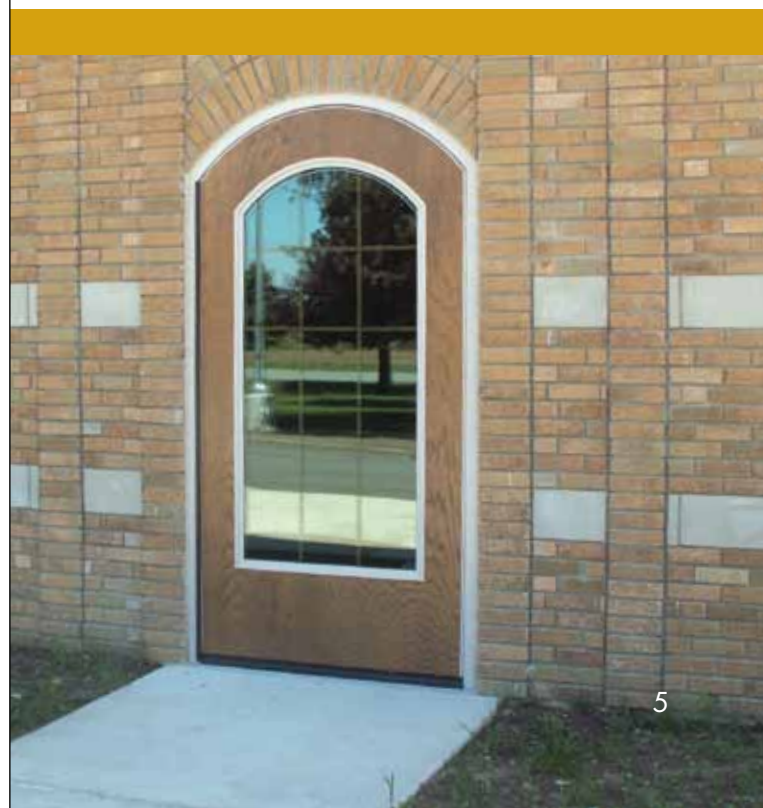
### Options for better weather sealing, energy efficiency

Out-of-position and settling floors are common problems that create gaps under exterior doors. Even the smallest gaps can compromise HVAC system efficiency, wasting energy and money. Our new concealed Adjustable Bottom Brush closes the gap by creating a weather-tight seal with any style threshold. The Adjustable Bottom Brush is available for all Special-Lite Doors, either installed in new doors or as an easy-to-install retrofit kit.

To ensure weather sealing on pairs of doors, we also offer a radius stile profile with an integral adjustable astragal on the active leaf.

### At the core of our door's strength is our door's core

The poured-in-place urethane core of our AMP doors 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, and provides thermal insulation superior to hollow metal doors.



# Finish off your design vision with these finishing touches

**E**very door and frame we make is a custom solution, made to order. We can provide submittal drawings or computer-generated design renderings to help with the specification and design process. Unique configurations such as arched doors and transoms, odd sizes, unequal pairs, or custom lites are no problem for our experienced craftsmen. We can make SL-18 and SL-19 AMP doors as large as 48" wide x 96" high, and SL-18S AMP doors as large as 42" wide x 88" high. We can fabricate panels with matching face sheet materials, allowing you to design fully coordinated entrances.

You can achieve the rich look of real stained wood for the SL-18 and SL-19 with our selection of six natural wood stain colors. Polymer sealers protect the natural wood stain finishes against UV damage and enhance cleanability. We can even add vertical "seams" to the SL-19 to give the door a planked look for a more rustic aesthetic. Painted AMP face sheets can be specified to match any of our available Kynar 500® low luster satin finish colors, or to match our standard FRP colors. We can also handle any custom color request. Anodized aluminum finishes can be specified in our standard clear, dark bronze, and black, or optional champagne, light bronze, and medium bronze colors to complement our face sheet color choices, or we can provide an exact Kynar paint match for our wood stain colors. The same finish choices are available in our framing and panel products for a perfectly color-matched entrance.

Kynar 500® is a registered trademark of Arkema, Inc.





## Vision Lites

Special-Lite Vision Lites may be specified with ¼" or 1" glazing. Consult factory for other options. We can supply vision lites in custom sizes, shapes, and colors to suit your specific requirements. Any or all of the six panels in our colonial doors can be replaced with vision lites. Aluminum surface-applied muntins are available in ½" and 1¼" widths. Insulated 1" glass units are also available with internal muntins.

Custom vision lites may be specified in any size or configuration, subject to the following guidelines:

- Consult the factory when total vision lite area exceeds 50% of the foam area.
- To avoid hardware conflicts, vision lites should be located at least 8" from the top, 12" from the bottom and 7" from the sides of the door.

Glass can be factory installed or installed in the field. Rectangular vision lites are furnished with aluminum glass stops. Curved lites are typically glazed with black EPDM gasket, but may be available with aluminum glass stops. Consult the factory for details.



## Simplify field installation with factory-applied hardware

Special-Lite will apply hardware at no additional charge beyond hardware prep charges. Factory-installed hardware not only fits better, but the installation is warranted not to come loose under normal usage for a full 10 years. If you prefer, we can simply prep for field installation of hardware. We can supply thresholds shipped loose for field installation. All doors are shipped in special flotation cartons to protect any installed hardware. Our AMP Flush Doors are available factory prepped for factory or field installation of low-profile proximity card readers\* inside the door to provide discreet access control. Surface-applied door closers and surface-applied sweeps must be installed in the field.

\*HID Thinline® II reader. Compatibility of other readers requires review by Special-Lite engineering.

# Simplify your life

## with entrance solutions from Special-Lite

### A complete entrance from a single source

Special-Lite can supply a complete entrance solution—doors, frames, hardware, and panels. Enjoy the convenience, reliability and performance advantages of having a complete, ready-to-install entrance supplied by a single source, delivered to the job site in a single, on-time shipment. Single-sourcing ensures proper door and frame fit, correct hardware operation, exact finish match, and longer entrance life. We can even ship doors with hardware and glazing installed, significantly reducing expensive job site labor and installation time, and preventing last-minute problems.

See our Framing & Panels and Retrofit Framing brochures for information about the wide variety of framing products we offer, including tubular frames, insert frames, and capping to cover old framing in place.



### GREENGUARD™ Certified for Indoor Air Quality

Special-Lite's full line of exterior entrance products\*, including our AMP Flush Doors, are the first to be GREENGUARD Indoor Air Quality Certified®, including the stringent new GREENGUARD Standard for Children & Schools™.



### A warranty that really works

We stand behind all of our products with a 10-year, 100% parts and labor warranty. Plus, we offer an additional limited lifetime warranty on our flush door models. Ask your sales representative for a copy of our warranty statement, and compare it to what other supplier warranties actually cover after all of their exclusions and limitations. You'll see that when you specify Special-Lite, you're really covered.

\*Excludes fire-rated doors.

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.



#### Special-Lite, Inc.

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