

SPECIAL-LITE COMPLETE ENTRANCE SYSTEMS

AVAILABLE FACTORY ORDER

SPECIAL-LITE, INC. delivers the Complete Entrance System — because this gives you the best value. A Complete Entrance System guarantees optimum strength, correctly installed hardware, and is shipped ready to install.

The Principles That Make Our Doors Last Longer:

1. Little is good, less is better... as long as the mechanical properties needed to secure the entrance are maintained.

Our entrances are superior because we build low mass doors. There are several reasons why this is desirable. A low mass door requires less force to get it moving and less force to stop it. An opening “low mass” door has less momentum so the closer does not have to be set as strong to keep it under control, thus less force is required to operate the closer. In addition, a low mass door weighs proportionally less, therefore reducing the wear on the hinges.

By combining less force, a light set closer, and less weight, the force at the pull handle or exit device is remarkably reduced, increasing the life of the mechanical elements (pull, exit device, closer, door interior, etc.). This makes it far easier to achieve ADA compliance opening forces.

2. The door only needs to be so rigid ... as to prevent excess door deflection, which would allow the unintended entry of people, wind or water.

By building a moderately and uniformly compliant structure, Special-Lite, Inc. has accomplished multiple functions. Our doors store energy by flexing and then releasing energy to the rest of the structure slowly. This acts as a suspension system for the hardware. It reduces jarring loads on the frame and frame anchors and reduces or eliminates relative motion between adjacent parts.

We’ve achieved a uniformly flexible door, which flexes significantly under the normal loads applied, by maintaining high strength in the door core and face with high strength bonds. These bonds are between the core and face sheet and the core and rails. The corner flexes easily, keeping the stress off of the corners and transferring the load to the core/face sheet system.

Monumental Stile & Rail



Fiberglass Reinforced Polyester

For Use in Demanding Applications



Acrylic Modified Polyester Colonial

True wooden colonial door appearance with the long life and low maintenance features provided by modern engineering and materials.



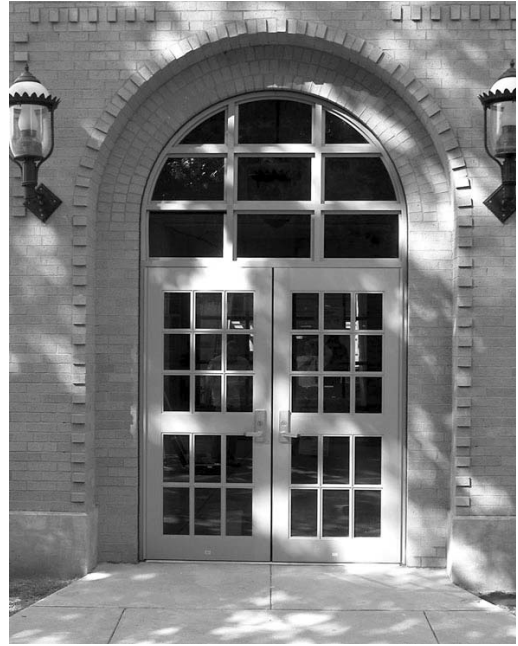
AMP Wood Grain

Attractive Appearance/Custom Flexibility



Framing, Tube

Special-Lite, Inc. offers a variety of framing options.



Aluminum Flush and Institutional Compartment

