

Series T351 • Series T451 Impact/Blast Grade Terrastile™ Entrance Doors



CONFIGURATIONS

Single leaf - Outswing

The T351 terrace door provides the combination of style, durability and impact rated security. These doors are ideal for high-rise residential, condominium, and hotel applications. They are designed for ease of operation without compromising security and performance. The E-Strut® thermal isolators in the stile rail and frame members allow dual finish.

Features

Four fully adjustable custom aluminum extruded hinges on each door leaf

E-Strut™ thermal isolator

Mitered corner construction on each door leaf and multipoint locking hardware (300 Series stainless steel)

Forged brass or stainless steel handles and face plates

Anodized and painted finishes available

Benefits

Easy to operate

Improves durability in applications such as hotels and condominiums

Smooth door motion

Completely eliminates dry shrinkage

Dual finish capability

Improves U-Factor performance

Exceptional durability for high-quality applications

Range of aesthetic hardware options

Multiple options to answer economic and aesthetic concerns

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Frame Construction

The frame is constructed from .125" nominal material wall thickness aluminum of 6063-T6 alloy with a depth of 3 1/2" or 4 1/2". An equal leg frame is standard. Corners are of screw spline construction and back sealed with a small-joint seam sealer. See Illustration 1.

Door Leaf Construction

The door panel consists of tubular aluminum members with .125" nominal material wall thickness of 6063-T6 alloy. Door leaf corners are mitered, angle reinforced, plug welded, and back sealed with a small-joint seam sealer. See Illustration 2.

Weather Stripping

All door leaves are dual weather-stripped with a dual-durometer Santoprene® gasket. The exterior gasket is intentionally omitted at the door leaf bottom rail for outswing door leaves and at the vent top rail for inswing door leaves, allowing air to pressure equalize the void between the door leaf and frame. Each door leaf utilizes the pressure equalization technique for superior water resistance.

Thermal Barrier

All frames and door leaves are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

Hardware

Three types of hardware styles and several color variations of activation handles are offered. Lock sets come in half sets with thumb turn inside, no lock outside, or full sets with thumb turn inside, key lock outside. All entrances use non-magnetic stainless steel multi-point locking hardware for greater design pressures and added security.

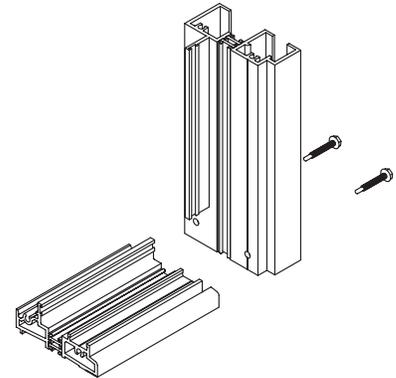


Illustration 1

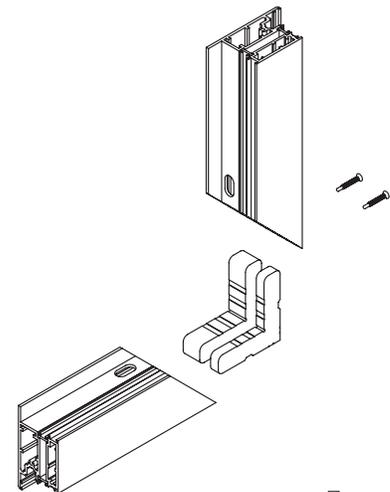


Illustration 2

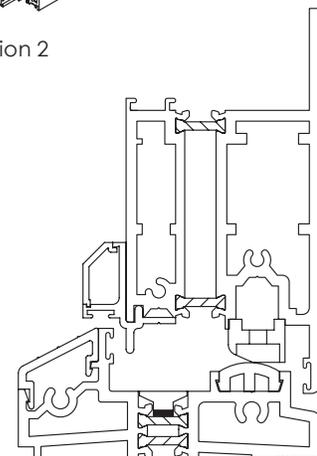


Illustration 3