SL-16F
Fluted Aluminum Flush Door

Special-Lite®

Blast Resistant | Forced Entry Resistant | Impact Rated | Thermally Efficient



Special-Lite® Aluminum Flush Doors provide an appealing, easy-care solution. They offer a stylish, up-to-date look that is remarkably versatile and well-suited for industrial, institutional, and commercial facilities dominated by moderate to heavy traffic. They are corrosion-resistant, making them a good fit for water treatment facilities or other high-humidity areas.

Our extremely heavy-duty, yet lightweight door panel design integrates the highest quality materials for a durable, secure, and long-lasting door system—saving you time and money long-term!

The SL-16F Fluted Aluminum Flush Door features a 0.050" thick fluted aluminum face sheet with a vertical line pattern that adds a refined look and provides strength. Beyond our stock and special anodized finishes, doors can be painted with one of our standard colors or any custom color to match your facility's aesthetic and functionality.

Key Benefits

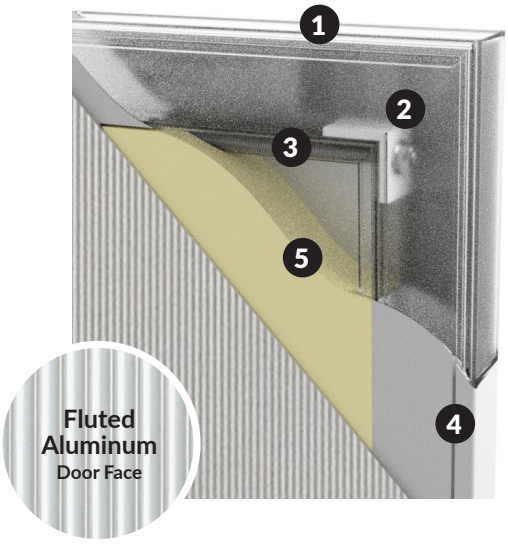
- Low maintenance
- Easy to clean and sanitize
- Secure and durable
- Moisture resistant
- Customizable

Applications

- Schools and universities
- Restaurants and retail
- Commercial and office
- Parks and recreation
- WTP/WWTP

Door Panel Construction

1. Stiles and rails are rugged one-piece aluminum extrusions with a minimum 2-5/16" depth.
2. Mitered corners are reinforced with angled aluminum clips adding security and durability.
3. Full-width steel tie rods top and bottom provide resilient strength while squaring the structure.
4. Door face sheets are secured by integral channels on the door frame for a truly flush door face.
5. Structural, high-density polyurethane foam-injected core binds door panel components together, insulates the door, and won't retain moisture.



CONSTRUCTION		
DOOR PANEL THICKNESS		1-3/4"
FACE SHEET		0.050" Fluted Aluminum
	Split Finishes	Select from any Aluminum Flush Door face sheet.
DOOR SIZE (W X H)	Minimum	12" x 12"
	Maximum	48" x 120"
	Custom	Taller sizes may be available. Contact Special-Lite for availability and details.
STILES & RAILS		6063 aluminum alloy with a minimum temper of T5. Minimum 2-5/16" deep one-piece extrusion with integral channels to secure face sheet on both sides of the door for a flush appearance.
CORNER		Mitered corners, aluminum angle reinforcements, and full-width steel tie rods top and bottom.
CORE MATERIAL		Poured-in-place closed-cell polyurethane foam, 5-lb./cubic foot density.
REINFORCEMENTS		Aluminum extrusions are made from 6061 or 6063 aluminum alloys. Sheet and plate conform to ASTM-B209. Bars and tubes meet ASTM-B221.
FINISHES FOR FACE SHEETS AND DOOR EDGES		
STOCK FINISHES	Anodized	5555 Clear, 5556 Dark Bronze
SPECIALTY FINISHES	Anodized	5557 Black, 5558 Light Bronze, 5559 Medium Bronze, 5560 Champagne
	Painted	5503 Bone White, 5504 Boysenberry, 5505 Brick Red, 5509 Hartford Green, 5515 Sage Brown, 5517 Seawolf, 5577 Slate Grey, 5578 Light Grey, 5579 Blue, 5580 Black, 5581 Desert Sand, 5583 Military Blue, 5647 Beige, 5649 Red, 5655 Dark Grey, 5656 Crystal, 5657 Champagne, 5658 Light Bronze, 5659 Medium Bronze, 5576 Dark Bronze, 5708 Red Oak, 5709 White Oak, 5710 White Maple, 5712 Redwood
	Painted Match for Wood Grain Stain	5588 Chestnut, 5589 Dark Maple, 5590 Mahogany, 5591 Oak, 5592 Teak, 5593 Walnut, 5650 American Cherry, 5651 Dark Cherry, 5652 Dark Walnut, 5653 Light Maple
	Custom	Custom color matching is available but adds additional lead time.
CONFIGURATION OPTIONS NOTE: Selections must be compatible with hardware or are subject to change depending on hardware selection, not every stile is compatible with every piece of hardware.		
HINGE STILE	Standard	Square (Continuous Hinges), Bevel (Butt Hinges)
	Optional	Bevel, Radius for Double Acting Doors
LOCK STILE	Standard	Standard Bevel Stile, Standard Meeting Stiles Bevel, Bevel with Integral Brush Weatherstrip
	Optional	Meeting Stiles Radius with Adjustable Astragal Meeting Stiles Bevel and Square Stile for Active and Inactive Leaf Pairs
TOP RAIL		Open Rail, Closed Rail
BOTTOM RAIL		Open Rail, Closed Rail
DOOR BOTTOM	Open Rail	Standard weather bar with nylon brush SL-301 Adjustable Bottom Brush
	Closed Rail	Sliders, Dutch Doors, Applied Sweep
DOOR TOP	Open Rail	Standard Weather Bar Flush Rail Cap 70-53
	Closed Rail	Sliding Doors, Dutch Doors
VISION LITE KIT MODELS	Standard	Aluminum Aluminum with Surface Muntins (1/2" or 1-1/4" width)
	Optional	EPDM Gasket Low Profile Beveled Aluminum Securelite Forced-Entry Resistant Aluminum (1/2" or 1" bite)
	Custom	Custom shapes are available, provide drawing.
VISION LITE KIT OPTIONS (Compatible with 1/4" up to 1-1/2" glass)		Square, Double Lite, Half Lite, Surface Muntins, Full Lite, or Narrow Lite
VISION LITE KIT RESTRICTIONS		Minimum spacing from day lite opening: 7" from side, 8" from top, and 12" from bottom. Doors must contain at least 50% foam.

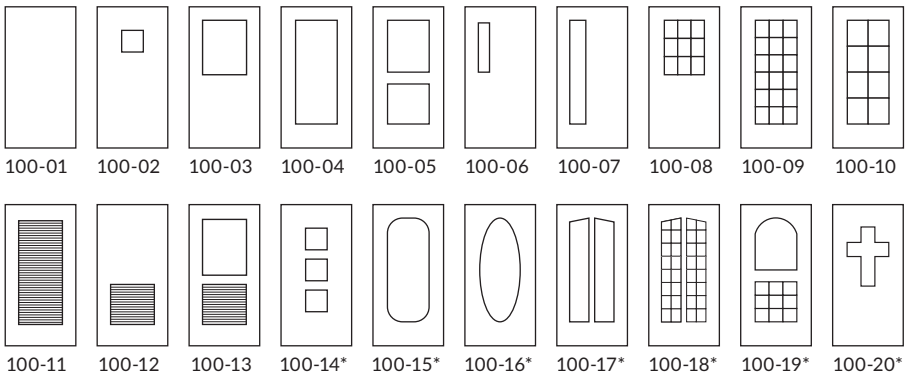
GLASS		1/4" Polycarbonate, Tempered, Laminated 1" Tempered, Tempered with Internal Muntins, Privacy Vision Panel 1-3/4" Flush Vision Panel, Privacy Flush Vision Panel
LOUVER MODELS		Aluminum Louvers, Aluminum Louvers with Screen
LOUVER OPTIONS		12" x 12", Double Lite, Half Lite, Full Lite
INFILL ARCHITECTURAL PANELS (In lieu of glass)		1/4" SL-36 Aluminum Panel 1" SL-36 Polyurethane Closed-cell Foam Core Panel
HARDWARE NOTE: Hardware can be supplied and factory installed. Contact Special-Lite for restrictions.		
INSTALLED HARDWARE		Recessed Pulls, Standard Pulls, Standard Push Bars, HD Continuous Gear Hinges, Butt Hinges, Pivots, Closers Stops, Hold Open, Removable Mullions, Aluminum Astragals, Fiberglass Astragals, Aluminum Thresholds, Fiberglass Thresholds, Cylindrical Locks, Mortise Locks, Exit Devices.
		Custom hardware is available, consult with your Rep.
DO NOT SEND (Processing fee for returned hardware)		Mullions, Thresholds, Bottom Brushes, Sweeps, Seals, Astragals, Drip Caps, Surface Door Closers, Surface Door Stops, Seals, Power Supplies, EPT's, Wiring Harnesses, Dust Proof Strikes, Wall Stops
PERFORMANCE		
FLORIDA APPROVALS*		FL9875-R7, FL13789-R4, FL21856-R4, FL27723-R2
TDI APPROVALS*		Effective May 2023, TDI accepts third-party evaluation reports. They are linked for information only, as a public service. TDI will not edit, modify, or revise any of the linked reports. TDI will not develop new or renew evaluation reports, and any existing report listings will be removed from the website at the close of 2025. For more information visit the TDI website.
INTRUSION RESISTANCE	Glazed with Makrolon AR	ASTM E2395-GRADE 30 ASTM E1886-2 Impacts (no observable damage) ASTM F1233-CLASS 1
BLAST RESISTANCE*		ASTM F2927-12 6.9 PSI @ 41 PSI-mesc ASTM F2927 Damage Rating (damaged but operable) ASTM F2927 Damage Level: 2 ASTM F1642 Glazing Hazard Rating: Minimal ASTM F1642 Glazing Hazard Level: H2
U-VALUE (NFRC 100) (Door with thermally-broken framing)	Opaque	U-Factor = 0.33 BTU/hr·ft²·°F
	Glazed	U-Factor = 0.66 BTU/hr·ft²·°F
R-VALUE (Door with thermally-broken framing)	Opaque	R-Value = 3.03 BTU/hr·ft²·°F
	Glazed	R-Value = 1.52 BTU/hr·ft²·°F
AIR LEAKAGE **(NFRC 400, ASTM-E283)**	Opaque Door with Less Than 50% Glass	0.08 cfm/sqft @ 1.57 psf infiltration 0.05 cfm/sqft @ 1.57 psf exfiltration 0.18 cfm/sqft @ 6.24 psf infiltration
STC (ASTM-E90) (Door with thermally-broken framing)		STC = 26 OITC = 26
SUSTAINABILITY		
BUY AMERICA ACT COMPLIANCE		Yes
LEED		Yes
GREENGUARD		GREENGUARD Gold
SUPPORT		
WARRANTY		10-Year, Lifetime Limited Warranty
LEAD TIME		Lead times for standard door configurations are 6-8 weeks and subject to change.† Curved lites and panels, custom finishes, and rated configurations have extended lead time. Contact your Rep or Special-Lite for up-to-date lead times.

*Please see configuration sheets for restrictions.

†Expedited Order Program available. See our website for details, program rules, and restrictions. Contact your Rep to apply.

Door Configuration Examples

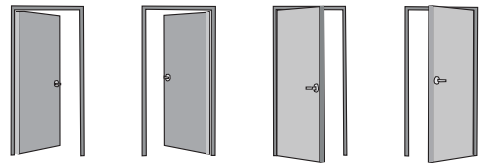
Choose from our standard door configurations or create your own! Need help? We will help you design a durable, high-quality custom solution to suit your needs (Vision Lite Kit locations minimum spacing restrictions apply).



*Curved, complicated, and non-standard configurations may require additional lead time and cost. Contact Special-Lite for more information.

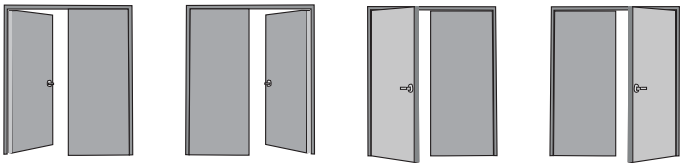
Single Swing Door Handing Chart

From exterior of room or building

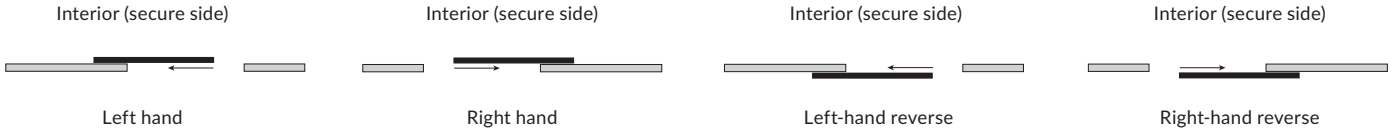


Double Swing Door Handing Chart

From exterior of room or building



Sliding Door Handing Chart



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