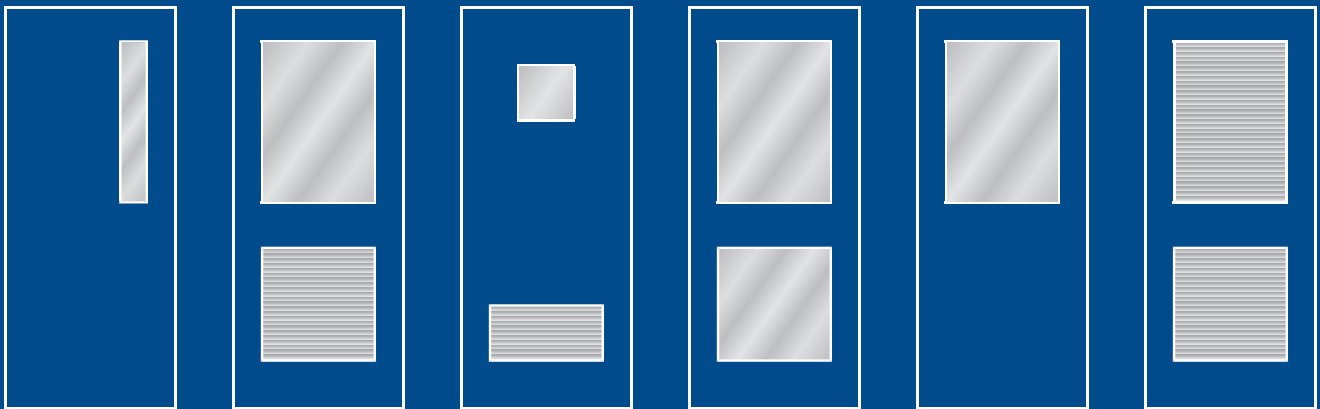


Cline DOORS

Series 100BE



Aluminum Flush Doors

Custom Aluminum Doors and Frames Since 1961

SERIES 100BE ALUMINUM FLUSH DOORS

Put the Power of 5-Ply in Your Flush Door Specifications

The Cline Doors Series 100BE is the perfect door for a water and waste water treatment plant, military, government, multifamily housing, food processing plants and farms, research labs, pools and bath houses, and offshore oil rigs. With more than 45 years of experience in the aluminum door business, Cline Doors has set the industry standard.

With ever changing demands from architects and general contractors Cline Doors has been able to meet and exceed these new demands and requirements. With state-of-the-art engineering and the use of modern technology we have constructed the definitive full flush aluminum door.



Series 100BE cut-away shows the 5-ply construction and quality materials of our aluminum flush doors.

STANDARD FEATURES

5-Ply Laminate Construction – Multiple laminated layers of structural materials have always proven to be substantially stronger than a single monolithic structure.

Replaceable Door Rims – The hinge and lock styles of the 100BE Aluminum flush door is mechanically fastened and is replaceable if damaged during shipping, installation, attempted forced entry or through normal usage.

Tenon Corners – Mechanically fastened tenon corners.

Louvers – No exposed fasteners on louvers.

Glazing – No exposed fasteners on glazing.

Hardware Reinforcement – No special hardware reinforcing required.

Weather Stripping – Replaceable weather-stripped lock stile.

Custom Colors – Cline offers minimal quantity custom color runs, with a small set-up charge.

Standard Quotes – Quick turn-around for standard quotes.

Lead Time – Short lead time on deliveries.

Individual Wood Crated Packaging – Cline has developed a lightweight crating system that eliminates the majority of normal freight damage associated with common carriers.

No additional charges for the following:

- Cline standard shop drawings
- Standard 4.5-inch x 4.5-inch template butt hinge preparation door and frame
- Cline standard flush bolt preparation on pairs
- Cline standard cylindrical lock preparation
- Cline standard mortise lock edge preparation

American Society for Testing Materials (ASTM)

Standard	Year
101/I.S.2-NAFS	2002
Accepted Engineering Practice	2004
ASTM E1300 – Load Resistance of Glass in Building	2002
ASTM E1886 – Impact Test Procedures (Inclusive of Large Missile Impact)	2002
ASTM E1996 – Wind Load Test	2002
ASTM E330 – Structural Load Test	2002

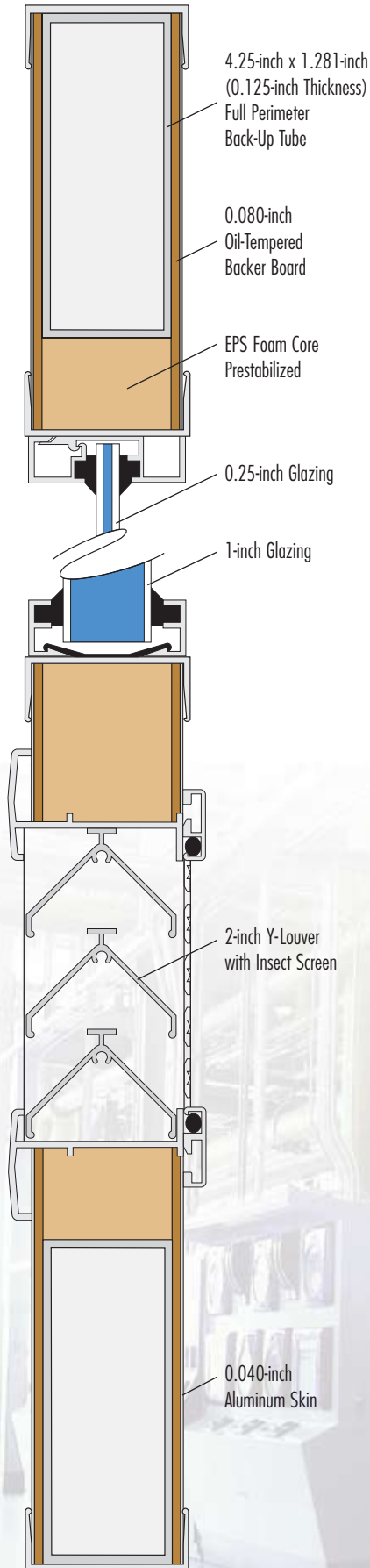
Florida Building Code Compliant

Florida Building Code #FL6336

Website address: www.floridabuilding.org

Note: When used in wind-borne debris regions this product complies with section 1609.1.4 of the Florida Building Code as an impact resistant product and does not require the use of external impact resistant covering. This product meets the requirements for enhanced protection of essential facilities (missile level "E", wind zone 4) as defined in ASTM E1996.

SERIES 100BE ALUMINUM FLUSH DOORS



CONSTRUCTION SPECIFICATIONS

Aluminum heavy-duty doors shall be Cline Series 100BE. Doors shall have a thickness of 1.75-inches (44.45mm) and be a minimum 5-ply construction with composite skin thickness of 0.125-inch (3.18mm). Exterior door ply shall be of one-piece 0.040-inch (1.02mm) smooth 5005-H14 stretcher-leveled aluminum alloy facing. Facings shall be commercially bonded edge-to-edge to one-piece oil-tempered hardboard. Core shall be a minimum 5-pound EPS foam, prestabilized, free of chlorofluorocarbon (CFC)/Hydro chlorofluorocarbon (HCFC), bilaterally bonded to composite structure facings. Internal hardware back-up shall be full perimeter aluminum tube, 4.25-inches (107.95mm) in width with 0.125-inch (3.18mm) minimum wall thickness bonded to 0.085-inch (2.16mm) oil-tempered hardboard. Door edge and face sheets shall be flush in appearance; face sheets shall be trimmed with replaceable extruded aluminum reglets of 6063-T5 alloy on perimeter edges. Lock stile shall have aluminum beveled-edge and wool-pile weatherstripping. Beads and trim wall thickness shall be 0.050-inch (1.27mm). Nominal door size shall be provided. Standard clearances shall be: hinge and lock stiles, 0.125-inch (3.18mm); between meeting stiles, 0.250-inch (6.35mm); at top rails, 0.125-inch (3.18mm); and between door bottom and threshold, 0.125-inch (3.18mm). Bonding agents shall meet EPA requirements. Exterior face sheet option of 0.040-inch (1.02mm) vertically ribbed embossed pattern to be specified.

GLAZING

Vision Lites shall be glazed with 0.25-inch (6mm) thick glass with snap-in non-removable stops of extruded aluminum 6063-T5, minimum thickness 0.050-inch (1.27mm). Vinyl inserts shall be used for sealings. No exposed fasteners. Glazing option of 1-inch (25.4mm) and 0.5625-inch (14.29mm) thick tempered glass to be specified.

LOUVERS

Frames and blades of louvers shall be 6063-T5 aluminum alloy with a minimum 0.050-inch (1.27mm) thickness. Louver blades shall be inverted "Y" type with a minimum 50 percent free airflow. All exposed fasteners to be stainless steel. Insect screen shall be 18 x 16 mesh, 0.011-inch (0.28mm) diameter alclad aluminum set in a 0.050-inch (1.27mm) extruded frame.

HARDWARE PREPARATION

Standard preparation shall included 4.5-inch x 4.5-inch (114.3mm) template, full mortise hinge prep, single spindle lock prep, mortise lock edge prep only, and flushbolt prep for pairs. Surface applied hardware shall be drilled and tapped in field by installer. Additional hardware preparation to be specified. Concealed hardware and pivot hinges are not recommended or supported by manufacturer.

FINISH

Exposed aluminum surfaces shall be anodized in accordance with Aluminum Association AAM12C22A41, Class I, clear 0.7mil (0.02mm) minimum thickness.

Optional aluminum finishes to be specified.

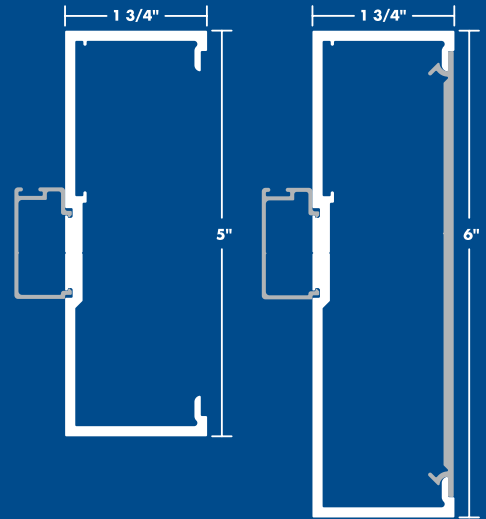
ANODIZED FINISHES

AAMA 611.92 – Integral color anodic finishes. An architectural priority for most commercial and industrial purposes are best served with anodized finishes which provided a durable, maintenance-free finish on aluminum products.

Cline Aluminum Doors has selected Clear Class II and Dark Bronze Class I as finish standards based upon uniformity of color characteristics. Other available Aluminum Association finishes to be specified.

ALUMINUM FRAMING SPECIFICATIONS

Aluminum heavy-duty frames shall be Cline 5-inch (127mm) frames. Frames shall be constructed from extruded aluminum 6063-T5 alloy with a minimum wall thickness of 0.125-inch (3.18mm). Corners shall be cut square and fastened using concealed stainless steel screws. Snap-in door stop to receive replaceable wool pile weather-stripping. Hinge and strike mounting plates shall be of 0.1875-inch (4.76mm) extruded aluminum bar stock. Frame option of Cline 6-inch (152.39mm) frame to be specified.



ALUMINUM & FRP DOORS

Cline offers an extensive array of aluminum & FRP door configurations to suite your building requirements. Call for a quick-turn quote today and be sure to specify quality Cline Doors on your next project.



Series 200BE
FRP Flush Doors



Series 400SE
Screen Doors



Series 500SE
Stile and Rail Doors



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