

PRODUCT OVERVIEW

The Acro 400-T Series Thermally Broken Aluminum Door is designed to deliver superior thermal performance, durability and compatibility with modern commercial building systems.



400T

ACRO THERMALLY BROKEN DOOR

MEDIUM STILE

Engineered
for modern
commercial
performance.



ACRO
ALUMINUM

TECHNICAL SPECIFICATIONS

Medium stile: 3 1/2" (89mm) vertical stile.
4" (102mm) top & bottom

Door depth: 2 1/4" (57mm)

Bottom rail options: 7 1/2" (191mm) or 10" (254mm)

Accepts: 1" (25mm) insulated glass (double glazed)
or 1-1/2" (38mm) triple glazing

Materials: 6063-T6 Aluminum

Thermal Break: Polyamide 6.6, 25%
glass fiber reinforced

Gaskets: EPDM

Fasteners: Stainless steel

GLAZING OPTIONS



DOUBLE GLAZED
1" (25mm)
Insulated Glass

TRIPLE GLAZED
1-1/2" (38mm)
Insulated Glass

The Acro 400-T Series Thermally Broken Aluminum Door delivers **durability and advanced thermal efficiency** for demanding building envelope conditions.

KEY FEATURES



ENERGY EFFICIENT

NFRC-rated, Optional foam insulation to lower standard U-value when required.



AIR & WATER PERFORMANCE

Engineered for superior air tightness and water resistance in demanding building conditions.



DURABLE & RELIABLE

Constructed from 6063-T6 Aluminum and mechanically fastened for long-lasting performance



DESIGN FLEXIBILITY

Compatible with storefront and curtain wall systems. Multiple finish and hardware options

ENERGY PERFORMANCE - U-VALUE

U-value range depends on glass configuration. See full table on website. Lower is Better

<p>DOUBLE GLAZED WITHOUT FOAM (Standard)</p> <p>0.502 - 0.461</p>	<p>DOUBLE GLAZED WITH FOAM (Best Performance)</p> <p>0.447 - 0.405</p>
<p>TRIPLE GLAZED WITHOUT FOAM (Standard)</p> <p>0.428 - 0.412</p>	<p>TRIPLE GLAZED WITH FOAM (Best Performance)</p> <p>0.373 - 0.357</p>

FINISH OPTIONS

- Clear Anodized
- Black / Dark Bronze Anodized
- Custom color powder or Duracron

Different finishes available for interior and exterior

HARDWARE COMPATIBILITY

- Continuous gear hinge
- Compatible with North American locking and panic hardware
- Standard 9" commercial d-pull (other pull styles available)
- Ladder Pulls - Offset Back-to-Back 36", 48" and other sizes available

COMPATIBILITY

- Compatible with most storefront & curtain wall systems
- Compatible with most commercial door hardware

Performance Category

Test Result

Performance Category	Test Result
Performance Class & Grade	CW - PG35 Commercial Certified
Tested Size	1085 x 2222 mm - Certified
Design Pressure	~1680 Pa DP35 Pass
Air Leakage @ 75 Pa	0.35 / 0.87 L/s/m ² Well below CW limit Pass
Water Penetration	0 Pa DP LW Tested
Structural Performance	Max deflection 4.6mm DP50 (meets L/175) Pass
Operation / Cycle Performance	250,000 cycles CW Requirement Pass
Forced Entry Resistance	AAMA 1304 - Pass
QAI Certified	NAFS-22 & CSA A440 - Overall - Pass

APPLICATIONS



Residential Buildings



Commercial Buildings



Office Entrances



Retail Stores



Institutions



Healthcare Facilities

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READY FOR TOMORROW.**