



BLACK MOUNTAIN DOOR™

AMWELD® LE-F5 SERIES TORNADO RATED *STEEL DOORS & FRAMES*



*For complete warranty details visit:
<http://blackmountaindoor.com>

Safe Rooms / Community Shelters / Corporate Campuses
Schools / Government Facilities



Black Mountain Door, home of the commercial industry's most durable lineup of hollow metals doors, offers products that are designed to withstand even the most extreme environmental forces. **Built to Higher Standards**, our exclusive family of brands include Amweld®, Firedoor™, Storm Guard™, Tilt'N Place™ and Laser-Edge™.

The Amweld® LE-F5 Series Tornado Rated Steel Doors & Frame Systems are designed, tested and certified to the Federal Emergency Management Agency's guidelines for tornado shelter construction. With an extensive line of tornado rated products, Black Mountain Door offers the most reliable solutions for building structures that are subject to severe windstorm conditions. The durability of the LE-F5 Series Tornado Rated Door Systems allows it to withstand even the most extreme high wind speeds and protects from outside forces including flying debris caused by tornadoes.

Several options for Amweld® LE-F5 Series Tornado Rated Doors are available, offering maximum protection and design flexibility for owners and architects. Applications for this rapidly growing product segment include complying with jurisdictions such as the standards for highspeed windzones rated for 250 mph windspeeds, which is recognized at both the national and international levels for commercial door opening performance standards in severe weather.

Specific product approval documents and specifications are available for download at www.blackmountaindoor.com.

Contact a Black Mountain Door sales representative today to learn more about how Amweld® LE-F5 Series Tornado Rated products can provide protection for your next severe weather construction.



APPLICATIONS

- Community Shelters
- Residential and School 'Safe' Rooms
- School Shelters
- Disaster and Tornado Shelters
- Corporate Institutions
- Government Facilities

FEATURES

- Intertek Testing Services (ITS) certified & labeled to FEMA 361, 320 and ICC 500
- All door and frame assemblies are certified with a 3 hour fire rating
- Four sided frames and shutter options available





TORNADO DOORS
Amweld® LE-F5 Series
(Laser-Edge™)

**16 Gauge
Standard Features**

- "Proprietary" Supercore Polystyrene Core construction
- Continuously "laser welded" construction
- 4 1/2" hinge preparation
- 4 1/2", 5", continuous aluminum or stainless steel hinge options available

LE-F5 SERIES 8090-F

Figure 1-6

+/- 305 PSF, Singles up to 4'0 x 9'0, Pairs up to 8'0 x 9'0, 14 Gauge Frames, 16 Gauge Doors, "Proprietary" Supercore Polystyrene Core Doors.

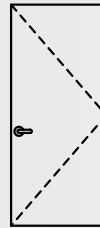


Fig. 1

- Securitech Multi-Point Mortise Lock, 5000 Series

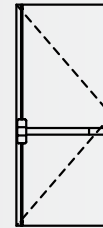


Fig. 2

- Securitech Multi-Point Exit Device, 8000 Series with Surface Rods

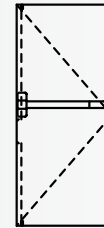


Fig. 3

- Securitech Multi-Point Exit Device, 8000 Series Concealed Rods

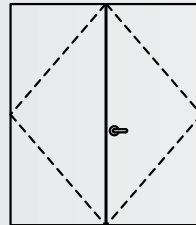


Fig. 4

- Securitech Multi-Point Mortise Lock, 5000 Series

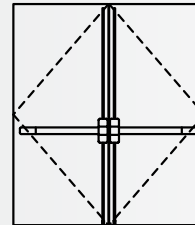


Fig. 5

- Securitech Multi-Point Exit Device, 8000 Series with Surface Rods

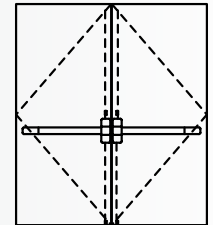


Fig. 6

- Securitech Multi-Point Exit Device, 8000 Series with Concealed Rods

LE-F5 SERIES 4090-F

Figure 7-10

+/- 305 PSF, Singles up to 4'0 x 9'0, 14 Gauge Frames, 16 Gauge Doors, "Proprietary" Supercore Polystyrene Core Doors.

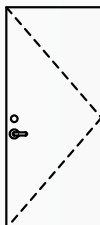


Fig. 7

- Securitech 4340
- 4 1/2", 5", Continuous aluminum or stainless steel hinge preparation

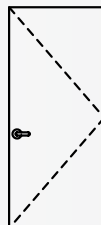


Fig. 8

- Securitech 5000
- 4 1/2", 5", Continuous aluminum or stainless steel hinge preparation

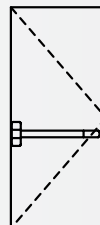


Fig. 9

- Securitech 8000
- 4 1/2", 5", Continuous aluminum or stainless steel hinge preparation

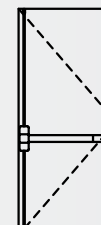


Fig. 10

- Securitech Multi-Point Exit Device, 8000 Series with Surface Rods
- 4 1/2", 5", Continuous aluminum or stainless steel hinge preparation





Amweld® 400 SERIES (Interlock®) Steel Gauges 14

Standard Features

- Knocked down with precision fit Interlock® corners
- 3" - 20" jamb depth
- 2" faces standard
- 5/8" high stops
- 1/2" returns*, 7/16" returns at 5 3/4"
- Unequal rabbet design
- Anchors available for masonry, wood and metal stud walls
- WHI - 3-hour & positive pressure embossment

Special Options

- Galvannealed (A60) frames available for exterior and interior use
- Special faces 2" thru 4" and more
- 4" header design available
- Equal rabbet design
- Special hinge or lock locations
- Decorator colors available
- Special profiles available
- Fire rating available up to 20" jamb depth

Standard steel frames are available knocked-down or welded and ground smooth. Profiles and anchors to fit any wall condition. Embossed 3-hour label standard. Variety of hardware preparations available. (Standard is a 4 1/2" hinge (standard or heavyweight) preparation and 4 7/8" strike.)

*7/16" returns standard on 5 3/4" frame

*Optional continuous hinge preparation

Advanced Information Technology Services

With Black Mountain's FabMaker software, you can easily draw fab elevations and estimate with accuracy. For more information, contact our IT Department.

FabMaker

Specifying & Ordering

Go to www.blackmountaindoor.com or send an e-mail to: marketing@blackmountaindoor.com for a hard copy of the Technical Data Manual.

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BUILT TO HIGHER STANDARDS



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