TORNADO RESISTANT
WOOD DOORS & STEEL
FRAMES

TORNADO TOUGH YET WOOD BEAUTIFUL

AMBICO™
SPECIALIZED DOORS · FRAMES · WINDOWS

www.ambico.com

Tornado Resistant Wood Doors & Steel Frames

- In the U.S., tornadoes are the most destructive windstorm and are responsible for the greatest number of wind related deaths annually. Insurance claims losses from a single tornadic event of $1 billion and greater are becoming more frequent
- FEMA P-361 is a national standard currently supported by the USA Department of Homeland Security. FEMA P-361 Design and Construction Guidance for Community Safe Rooms provides criteria for the construction of community safe rooms offering life safety protection from tornadoes
- AMBICO tornado openings are tested to ICC-500 for wind load resistance of 250 mph or a uniform static pressure of 305 PSF
- AMBICO tornado openings are tested to ICC-500 for debris impact of a vertical door assembly impacted by a 15 lb, 2×4 wood missile travelling perpendicular to the surface of the door at 100 mph
- In tornado resistant testing, door swing is defined relative to the safe area; in-swing opens into the safe area and out-swing opens out of the safe area. AMBICO has independent certification of outswing single openings for our wood door application
- Wood doors are manufactured using a proprietary steel core with hardwood stile
- Cross banded face veneers for tornado resistant wood doors are available with a diverse selection of paint grade or stain grade options to match your aesthetic requirements. Matching hardwood is provided at door stiles. Plastic laminate face veneers are also available with hardwood edges
- AMBICO accommodates opening sizes from shutter size starting at a minimum size of 2'6"× 6'8", to single openings to a maximum size of 4' × 8'
- AMBICO tornado products have been tested and certified for use with Securitech windstorm surface or concealed multi-point mortise lock, multi-point exit device and multi-point auto bolt latching options
- A horizontal lower bolt option is available. This provides the ability to service the lock without taking the door off the hinges, prevents deadbolts jamming due to debris in the floor strike, and eliminates trip hazard from a surface applied floor strike
- Vertical Control (VC) option is available for auto bolt device to convert from single point to multipoint without opening the door. This allows single point operation during normal operation or can be easily activated to a multipoint operation when windstorm or high security is required
- TRT classroom function transforms a normal opening with single point latch to a tornado resistant assembly with multipoint latch via a thumb turn. This offers intruder protection for teachers and students in lockdown events
- Electrified and monitored access control options are available
- Doors can be FSC® & LEED compliant
- Securitech hardware can be ordered directly through Securitech Group Inc., or where specified, purchased directly from AMBICO and factory installed prior to shipping. This can prevent common site installation issues. See www.securitech.com/tornado for details

In partnership with SECURITECH®

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FSC www.fsc.org FSC® C074576
The mark of responsible forestry

Tornado Resistant to ICC-500 and listed with INTERTEK - see www.spec-direct.com

Intertek US