STORMDEFENDER® DOOR

Model PSD361 and Model PRSD361 (fire-rated)

SAFE ROOM INNOVATION ENABLES OPEN, AIRY DESIGN

INVISIBLE PROTECTION = DESIGN FREEDOM

The StormDefender door is big on security and on design. How? By being invisible until called into service. The sleek construction allows for virtually undetectable embedment into precast concrete, creating minimal protrusion into the space. In addition, the coil may be hidden above a finished ceiling or into a soffit.

This invisibility allows design freedom - a single door can cover multiple openings, or even banks of windows to maximize natural light. With StormDefender Doors, typical safe room spaces – like cafeterias, classroom pods and gymnasiums – can be open and airy instead of dark and claustrophobic. When a storm is imminent, the StormDefender door deploys, automatically turning an open space into a ICC 500/FEMA 361 rated safe room to protect occupants from harsh winds and deadly projectiles.   After the event, the door simply disappears back into the structure.

MEETING THE STANDARDS

The StormDefender is designed specifically with life safety in mind for safe room protection against tornadoes and hurricanes. Available in fire-rated and non fire-rated models, the door is tested and certified to stringent ICC 500-2014 and FEMA P-361, Third Edition code standards.

BUILT FOR PROTECTION

The StormDefender utilizes our award-winning AlarmGard system with fail-safe operation. It can be connected directly to the building alarm system — deploying the doors upon activation. In the event a storm knocks out power, the door will automatically close to eliminate one more "to-do". The heavy-duty slats are held in place with our patent pending curtain design keeping them in the guides even in the strongest of winds. In addition, sound deadening end locks reduce noise during operation.
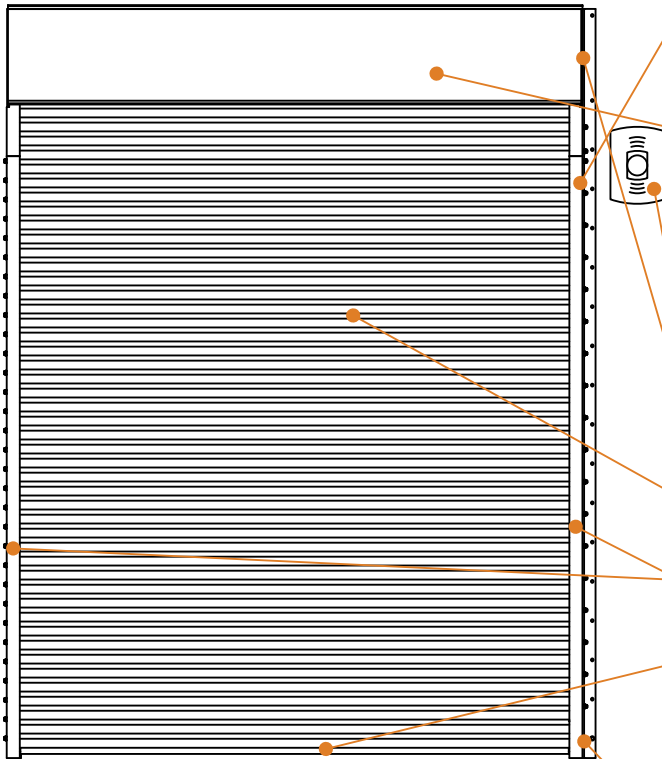
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STANDARD COMPONENT MATERIALS AND FINISHES

PATENT PENDING WINDLOCKS – Cut into the ends of each slat to engage in the windlock bar. Prevents the curtain from pulling out of the guides during high pressure events.

HOOD – Galvanized steel color to match curtain.

MOTOR – Standard AlarmGard Operator allows the door to be connected to a notification system or default to the secure/protected position under a power failure. Battery backup is available as an option.

HORN AND STROBE LIGHT - Activates when door is operating.

BRACKETS – Steel with powder coated finish to match curtain. Bolted to guide assembly and support counter-balance shaft and curtain.

CURTAIN – Steel with SpectraShield® powder coat in gray as standard. 12 gauge, 4" face flat slat with integrated wind locks.

GUIDES – Support the weight of the door. Steel with powder coating to match curtain.

BOTTOM BAR – Steel with powder coating to match curtain. 12 gauge, 4" face bottom bar provides a uniform appearance with the rest of the curtain. A 12 gauge reinforcement channel is inserted into the bottom bar for additional strength. No locking required; once the door is closed it is secure.

SMOKE GASKET – Available as standard on Model PRSD361 (fire-rated) door.

OPTIONAL FINISHES

► Stainless Steel
► SpectraShield® Powder Coating in more than 180 colors
► AtmoShield™ textured powder coat in 11 colors

OPERATION & STRUCTURAL REQUIREMENTS

Motor operation required.
The AlarmGard Operator allows the door to be connected to a notification system. Solid concrete or steel jamb construction is required. No CMU jambs allowed (both filled and non-filled). No additional header support is required unless hood supports are mandated by a larger opening width.

CERTIFICATIONS & LISTINGS

► ICC 500-2014
► FEMA P-361, Third Edition
► UL 10B – 3 hour fire rating. Model PRSD361 (fire-rated) door only.
► UL 1784 – Smoke rating. Model PRSD361 (fire-rated) door only.

STORMDEFENDER
VS
STANDARD SLATS

CUSTOM-DESIGNED SOLUTIONS

Contact our experienced Architectural Design Support Team for help in customizing our products to fit your specific application. Call 800.233.8366 ext. 4551 • architecturaldesignsupport@cornellcookson.com

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