



Masonite Defendr™ Door System Specifications

CORE TYPE	Solid Core Structural Composite Lumber (Non-Rated and 20-Minute Fire Rated); Weight 6.0 lbs. sq/ft
	Solid Core Extra Heavy-Duty Particle Board (Non-Rated and 20- and 45-Minute Fire Rated); Weight 6.4 lbs. sq/ft
DOOR AESTHETICS	Flush Laminate available in variety of standard and custom woodgrain patterns, solid colors, and decorative designs
	Flush Painted available with various color options Factory finished (MDO) or primed
	Flush Wood Veneer available in a variety of grades, species, cuts, and stains
	Matching vertical edges available in veneer, hardwood, laminate, or impact edges
OPENING SIZE	Up-to 3'6 x 8'0" single opening or pair opening when separated with a fixed or removable hollow metal mullion
	In-swing & Out-swing Available
THICKNESS	1-3/4" Thick
FIRE RATING	Non-Rated, 20-min, 45-min
ENVIRONMENTAL	Options available with Forest Stewardship Council (FSC) and No Added Urea Formaldehyde (NAUF) certifications
	Available with Recycled and Regional Materials
FRAME	14- or 16-gauge metal frame
	Welded frame for drywall and block construction
	3-piece knock down
LITE OPENING	Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide
SECURITY GLASS	Armoured One Security Glass
	Non-Rated and fire rated up to 45-min listed and approved
	Non-Rated Applications: 5/16" thick; Glass Weight: 6 lbs/ sq.ft.
	Fire-rated Applications using Double Glazed Assembly:
	<ul style="list-style-type: none"> - Security Pane: 5/16" thick; Glass Weight: 6 lbs / sq.ft. - 20-min Fire Pane: ¼" Pyroswiss20; Glass Weight: 3.2 lbs / sq.ft. - 45-min Fire Pane: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2.6 lbs / sq.ft. - 45-min Fire Pane: 5/16" Keralite FR-L or Firelite Plus; Glass Weight: 4.1 lbs / sq.ft.
Factory glazing required	
METAL VISION FRAME	18-gauge Metal Frame
	Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2
HARDWARE OPTIONS	ANSI/BHMA Grade 1 Hardware that meets Shooter Attack Test Method FTD-SA requirements
WARRANTY	Masonite Door Slab Lifetime Warranty of original installation subject to the terms, conditions, tolerances, and exclusions contained in the warranty documentation
	Armoured One Non-Rated Security Glass includes a 10-Year Limited Warranty
TEST METHODS	<p>Tested in accordance with the Shooter Attack Test Method FTD-SA. Based on two test standards (UL 752 Level 7 / ASTM F476) that have been modified and combined per recommendations from law enforcement, Homeland Security, and active shooter subject matter experts. Masonite Defendr Door System meets the Shooter Attack Test Method FTD-SA up to Class 3 performance – which equates to a 135 J or 100 ft-lbs. of force.</p> <p>Test Method:</p> <ul style="list-style-type: none"> - Modified UL 752 Level 7 using 10 rounds of AR15 .223 at a velocity of 3,240 ft/sec with 8 rounds around an 18" circle and two shots around a 3" circle centered on the glass panel, 5 rounds around the door lock area in a 5" diameter circle - Modified ASTM F476 using high potential energy levels, impacting door glass and hardware at each potential energy level twice - Failure is established when breach in door opening has occurred or an opening that allows a 3" sphere to pass through one side to the other



STANDARDS	<ul style="list-style-type: none">• WDMA I.S.1A Architectural Wood Flush Doors (Standard Construction) Performance level – Extra Heavy-Duty• ASTM C1036 Standard Specification – Flat Glass• ASTM C1172 Standard Specification for Laminated Architectural Flat Glass• ANSI Z97.1 Safety Materials Used in Buildings• UL-972 Standard for Burglar Resistant Glazing Materials
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