

Masonite Defendr[™] Door System Specifications

CORE TYPE Solid Core Structural Composite Lumber (Non-Rated and 20-Minute Fire Rated); Weight 6. bits. sq/ft Bits Solid Core Extra Heavy-Duty Particle Board (Non-Rated and 20- and 45-Minute Fire Rated); Weight 6. bits. sq/ft. Bits Flush Laminate available in variety of standard and custom woogdrain patterns, solid colors, and decorative designs 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 36 x 80° single opening or pair opening when separated with a fixed or removable hollow metal mullion in-swing 8. Out-swing Available THICKNESS 1-3/4° Thick FIRE RATING Non-Rated, 20-mini, 45-min ENVIRONMENTAL Options available with Forest Stewardship Council (FSC) and No Added Urea Formaldehyde (NAUF) certifications Available with Recycled and Regional Materials Auarialiae with Recycled and Regional Materials FRAME 14 or 0. Se gauge metal frame Free Rated Applications: Sife Structure Security Glass SECURITY GLASS Amanure of the security Glass SECURITY GLASS Amored One Security Glass Weight: 6 lbs / sq.ft. Fire-rated Applications: sife Structics Glass Weight: 3. lbs / sq.ft. SECURITY GLASS Amored One Security Glass Weight: 6 lbs / sq.ft.		
Solid Core Extra Heavy-Duty Particle Board (Non-Rated and Zo- and 45-Minute Fire Rated) Weight 6.4 lbs. sq/ft POOR AESTHETICS Flush haintate available in variety of standard and custom woodgrain patterns, solid colors, and decorative designs OPENING SIZE Flush Vood Veneer available in a variety of grades, species, cuts, and stains Matching vertical edges available in veneer, hardwood, laminate, or impact edges Impact 2015 K 20° single opening or pair opening when separated with a fixed or removable hollow metal mullion In-swing & Out-swing Available Impact 2015 K 20° single opening or pair opening when separated with a fixed or removable hollow metal mullion In-swing & Out-swing Available Mon-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 Available with Recycled and Regional Materials FRAME Veelde frame for drywall and block construction 3-piece knock down 3-piece knock down LITE OPENING Maximum visible size 23° x 36° Half Lite; Narrow lite configurations available from 3° wide SECURITY GLASS Fire-rated applications: S/16° thick; Glass Weight: 6.16 /s sq.ft. Fire-rated Applications suitige Double Glase Assemby: - security Pane: S/16° thick; Glass Weight: 2.6 lbs / sq.ft. Fire-rated Applications: S/16° thick; Glass Weight: 2.6 lb	CORE TYPE	Solid Core Structural Composite Lumber (Non-Rated and 20-Minute Fire Rated); Weight 6.0 lbs. sq/ft
PDOR AESTHETICS 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 Ut-to 36 x 80° 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 Valuable with Recycled and Regional Materials FRAME 14- or 16-gauge metal frame Welded frame for drywall and block construction 3-piece knock down Mon-Rated, 20-min, 45-min (stains) LITE OPENING Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide SECURITY GLASS Fire-rated Applications: 5/16" thick; Glass Weight: 6 lis/ sq.ft. Fire-rated Applications: 5/16" thick; Glass Weight: 6 lis/ sq.ft. Security Pare: 5/16" Keralite FR- 0 Firelite PTU Signs Weight: 2 lis/ sg.ft. SECURITY GLASS Fire-rated Applications: All Metal Stamping 110- Fire-rated Applicatio		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 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 36 x 80° 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, 2D-min, 45-min 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 Fire-rated Applications: 5/16" thick; Glass Weight: 6 lb/ s qn ft. Fire-rated Applications: 5/16" thick; Glass Weight: 6 lb/ s qn ft. Fire-rated Applications: J16" Koralite FR- or Firelite NT; Glass Weight: 1.5 / sq st. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 2.6 lbs / sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 4.1 lbs / sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 1.6 lb/ sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 1.6 lb / sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 1.6 lb / sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 1.6 lb / sq ft. - 45-min Fire Pane: 3/16" Keralite FR- or Firelite NT; Glass Weight: 1.6 lb / sq ft. - 45-min Fire Pane: 3/16"	DOOR AESTHETICS	Flush Laminate available in variety of standard and custom woodgrain patterns, solid colors, and decorative designs
Flush Wood Veneer available in a variety of grades, species, cuts, and stains OPENING SIZE Matching vertical edges available in veneer, hardwood, laminate, or impact edges OPENING SIZE Upto 55 x 80° 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 PUVRONMENTAL 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 Velded 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 Fire-rated Applications: 5/16" thick; Glass Weight: 6 lis/ sq.ft. Fire-rated Applications: S/16" thick; Glass Weight: 6 lis/ sq.ft. 5 Security Pane: 5/16" Keralite FR- 0 relite FN- 10 singlit: 2.6 lis/ sq.ft. SECURITY GLASS Taster and panications: All Metal Stamping 110- Tire-rated Applications: All Metal Stamping 110- Ti		Flush Painted available with various color options Factory finished (MDO) or primed
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 FRE RATING Non-Rated, 20-min, 45-min Options available with Forest Stewardship Council (FSC) and No Added Urea Formaldehyde (NAUF) certifications Available with Recycled and Regional Materials ENVIRONMENTAL 14- or 16-gauge metal frame FRAME 14- or or 16-gauge metal frame FRAME Welded frame for drywall and block construction 3-piece knock down 3-piece knock down LITE OPENING Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide SECURITY GLASS Filter-rated Applications suing Double Glazed Assembly: SECURITY GLASS Filter-rated Applications suing Double Glazed Assembly: SECURITY GLASS Filter-rated Applications: 3/16" Keralite FR-f or Firelite NT; Glass Weight: 2.16 lbs / sq.ft. SECURITY GLASS 13-gauge Metal Frame METAL VISION FRAMI Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 Aroured One Non-Rated Security Glass includes a 10-Year Limite Warranty WARRANTY ANS/B		Flush Wood Veneer available in a variety of grades, species, cuts, and stains
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In-swing & Out-swing Available THICKNESS 1-3/4" Thick FRE RATING No-Rated, 20-min, 45-min FWIRONMENTAL Options available with Forest Stewardship Council (FSC) and No Added Urea Formaldehyde (NAUF) certifications Available with Recycled and Regional Materials 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 Applications: 5/16" thick; Glass Weight: 6 lbs/ sq.ft. Fire-rated Applications: 5/16" thick; Glass Weight: 6 lbs/ sq.ft. Fire-rated Applications: 5/16" thick; Glass Weight: 6 lbs / sq.ft. - 45-min Fire Pane: 3/16" Keralite FR-1 or Firelite NT; Glass Weight: 2.6 lbs / sq.ft. Factory glazing required 18-gauge Metal Frame Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 HARDWARE OPTIONS ANS/BHMA Grade 1 Hardware that meets Shooter Attack Test Method FTD-SA requirements WARRANTY Assonite Door Slab Lifetime Warranty of original installation subject to the terms, conditions, tolerances, and exclusions contained in the warranty documentation THE ST METHODS Anolified Att Mare base pane modified and	OPENING SIZE	Up-to 3'6 x 8'0" single opening or pair opening when separated with a fixed or removable hollow metal mullion
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3-piece knock down LITE OPENING Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide Armoured One Security Glass Armoured One Security Glass Non-Rated Applications: 5/16" thick; Glass Weight: 6 lbs/sq.ft. Fire-rated Applications: 5/16" thick; Glass Weight: 6 lbs / sq.ft. SECURITY GLASS Fire-rated Applications: 5/16" thick; Glass Weight: 6 lbs / sq.ft. Security Pane: 5/16" thick; Glass Weight: 6 lbs / sq.ft. - Security Pane: 5/16" thick; Glass Weight: 6 lbs / sq.ft. Security Class Security Pane: 5/16" thick; Glass Weight: 3. lbs / sq.ft. - 20-min Fire Pane: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2. 6 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: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2. 6 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: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2. 6 lbs / sq.ft. - 45-min Fire Pane: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 3. 10 lbs / sq.ft. Hard 18-gauge Metal Frame Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 Hard WarRANTY Assofite Door Slab Lifetime Warranty of original installation subject	FRAME	14- or 16-gauge metal frame
LITE OPENING Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide LITE OPENING 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. SECURITY GLASS Fire-rated Applications using Double Glazed Assembly: Security Pane: 5/16" thick; Glass Weight: 6 lbs/ sq.ft. 20-min Fire Pane: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2.6 lbs / sq.ft. 45-min Fire Pane: 3/16" Keralite FR-F or Firelite Plus; Glass Weight: 1.1 lbs / sq.ft. 45-min Fire Pane: 5/16" Keralite FR-F or Firelite Plus; Glass Weight: 4.1 lbs / sq.ft. Factory glazing required METAL VISION FRAME 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 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 Door System meets 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 Defend Poor System meets 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 enforce		Welded frame for drywall and block construction
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: - Security Pane: 5/16" thick; Glass Weight: 6 lbs/ sq.ft. - - 20-min Fire Pane: ½" Pyrosus20; Glass Weight: 3.2 lbs/ sq.ft. - 20-min Fire Pane: ½" Pyrosus20; Glass Weight: 3.2 lbs/ sq.ft. - 45-min Fire Pane: 5/16" Keralite FR-F or Firelite NT; Glass Weight: 4.1 lbs / sq.ft. Factory glazing required 18-gauge Metal Frame Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 HARDWARE OPTIONS ANSI/BHIMA 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 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 Door System meets the Shooter Attack Test Method FTD-SA. Use of force. TEST METHODS - Modified UL 752 Level 7 using 10 rounds of AR15 .22		3-piece knock down
SECURITY GLASSNon-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: - Security Pane: 5/16" thick; Glass Weight: 6 lbs / sq.ft. - 20-min Fire Pane: 3/16" Keralite FR-F or Firelite NT; Glass Weight: 2.6 lbs / sq.ft. - 45-min Fire Pane: 3/16" Keralite FR-F or Firelite Plus; Glass Weight: 4.1 lbs / sq.ft. Factory glazing requiredMETAL VISION FRAMEIB-gauge Metal Frame Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2HARDWARE OPTIONSANSI/BHIMA Grade 1 Hardware that meets Shooter Attack Test Method FTD-SA requirements documentation Armoured One Non-Rated Security Glass includes a 10-Year Limited WarrantyWARRANTYTested 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 subject matter experts. Masonite 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. Test Method: - Test Method:TEST METHODSModified 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 UL 752 Level 7 for 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	LITE OPENING	Maximum visible size 23" x 36" Half Lite; Narrow lite configurations available from 3" wide
SECURITY GLASSNon-Rated Applications: 5/16" thick; Glass Weight: 6 lbs/ sq.ft. Fire-rated Applications using Double Glazed Assembly: 	SECURITY GLASS	Armoured One Security Glass
SECURITY GLASS Fire-rated Applications using Double Glazed Assembly: Security Pane: 5/16° thick; Glass Weight: 6 lbs / sq.ft. 20-min Fire Pane: 3/16° Keralite FA or Firelite NT; Glass Weight: 2.0 lbs / sq.ft. 45-min Fire Pane: 3/16° Keralite FA or Firelite NT; Glass Weight: 4.1 lbs / sq.ft. 45-min Fire Pane: 3/16° Keralite FR-L or Firelite NT; Glass Weight: 4.1 lbs / sq.ft. METAL VISION FRAME 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 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 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. Test Method: Modified UL 752 Level 7 using 10 rounds of AR15.223 at a velocity of 3,240 ft/sec with 8 rounds around a 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 KTM F476 using high potential energy levels, impacting door glass and hardware at each potential energy level twice		Non-Rated and fire rated up to 45-min listed and approved
SECURITY GLASS - Security Pane: 5/16" thick; Glass Weight: 6 lbs / sq.ft. - 20-min Fire Pane: 2/16" thick; 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 Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 HARDWARE OPTIONS ANSI/BHIMA Grade 1 Hardware that meets Shooter Attack Test Method FTD-SA requirements 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 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. Test Method: Modified JU 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 l		
- 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 NT; Glass Weight: 4.1 lbs / sq.ft. Factory glazing required 18-gauge Metal Frame METAL VISION FRAME Non-Rated Applications: All Metal Stamping 110 Fire-Rated Applications: All Metal Stamping 110-D2 ANSI/BHIMA 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 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. TEST METHODS - 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 STIM F476 using high potential energy levels, impacting door glass and hardware at each potential energy level twice <td></td>		
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STANDARDS
