

BAILLARGEON® SERIES

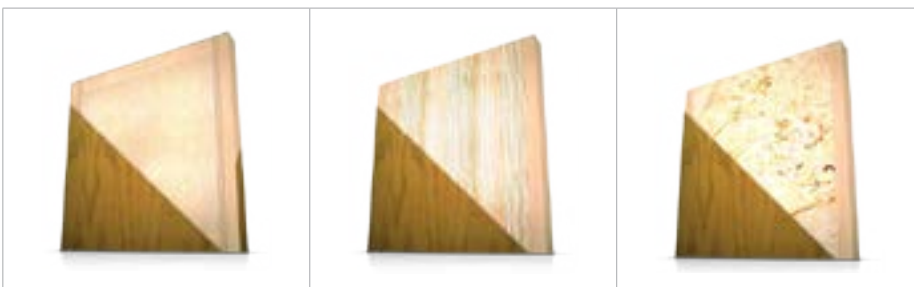
Technical Brochure

FORTE
OPENING SOLUTIONS



BAILLARGEON® SERIES

Construction and Door Types



| CORE TYPES | COMPOSITE PARTICLE BOARD | LVL (Structural Composite Lumber) | LSL (Structural Composite Lumber) |
|------------|--------------------------|--------------------------------------|--------------------------------------|
|------------|--------------------------|--------------------------------------|--------------------------------------|

| Project Types | Performance Level | | | |
|---|--|---|---|---------|
| Presidents', doctors', and lawyers' offices Convention centers, hotels, and casinos Detention centers and mental health facilities Hospital and dentists' offices Colleges and universities Semi-independent living facilities Courthouses Luxury offices Luxury hotels Government buildings Schools Hospitals | Baillargeon Extreme Extra Heavy Duty | 8300-ME • 8500-ME • 8513-ME (AUTONOMY) | • 7000-ME • 7600-ME (HIGH SECURITY) • 7602-MO (NO FACE) | 6000-ME |
| | Baillargeon Extreme Extra Heavy Duty Fire-rated | 8320-ME • 8520-ME | • 7020-ME • 7620-ME (HIGH SECURITY) | 6020-ME |
| Office towers Condominiums Hotels Institutional buildings Emergency exits Stairwells Corridors Residential-unit and hotel-room entrances Public office spaces Firewalls | Baillargeon Intense Heavy Duty | • 8600-MO/ME PC5- MO/ME FR00-ME | | |
| | Baillargeon Intense Heavy Duty Fire-rated | • 8620-MO/ME PC520-MO/ME | | |
| Residences Service industry offices HLM | Baillargeon Light Standard Duty | 8100-MO 8200-MO | | |
| | Baillargeon Light Standard Duty Fire-rated | 8120-MO 8220-MO | | |






• PRODUCTS EXCLUSIVE TO BAILLARGEON

Stiles/Rails Options (*N/A for 9100, 8100 and 7602 constructions)

VE: 1/32 matched veneer with joints

PE: Plastic laminate

IE: 1.5 & 3 mm impact edges stiles and black clean edge rails options

| | | | | |
|--|---|---|---|---|
|  |  |  |  |  |
| AGRIFIBER | MINERAL (Fire-rated) | RADIOLOGY | SOUNDPROOFING Please refer to the Soundproofing Performance (Step 4) document for more information. | HOLLOW |

| | | | | |
|---|---|--|---|---|
| <ul style="list-style-type: none"> • 8300-ME • 8500-ME | | <ul style="list-style-type: none"> • 8512/8516-ME • 8522/8526-ME | | <ul style="list-style-type: none"> 9300-ME • 9500-ME |
| <ul style="list-style-type: none"> • 8320-ME • 8520-ME | | | | |
| <ul style="list-style-type: none"> • 8600-MO/ME PC5-MO/ME | | | SR35-ME, SR39-ME, SR40-ME, SR41-ME, SR42-ME, SR43-ME, SR44-ME, SR45-ME, SR46-ME | |
| <ul style="list-style-type: none"> • 8620-MO/ME PC520-MO/ME AF45-MO/VE AF60-MO/VE | RMC45-MO/VE RMC60-MO/VE RMC90-MO/VE | | SR3520-ME, SR3920-ME, SR4020-ME, SR4120-ME, SR4220-ME, SR4320-ME, SR4420-ME, SR4520-ME, SR4620-ME, SR4145-ME, SR4245-ME, SR4345-ME, SR4545-ME | |
| | | | | 9100-MO |
| | | | | |

BAILLARGEON® SERIES

Signature Options



List of options available with our doors:

STRUCTURE

- Autonomy
- Oversized
- Non-standard thickness
- French
- Bi-Fold
- Dutch
- Louvers
- Bulletproof
- Leaded
- Custom edges and rails
- Impact resistant edges
- Custom design
- Transoms
- Full glass

MACHINING

- Grooves
- Simple or complex machining
- Pre-drilling
- Opening with all types of windows
- Fire doors machining
- Fire doors reinforcements
- Logo



DESIGN

- Mouldings and applied mouldings
- Factory finishes of all kinds
- Special hand finishes
- Exotic and special veneers
- Species characteristics
- Special veneer combinations (sketch face)
- Horizontal grain
- Matching wood frames
- Finishing System (Color chart)
- Laminated doors
- Round glass opening
- Glazing types
- Rabbetted edge
- Logo
- Decorative inserts (stainless steel, brass, etc.)

ENVIRONMENT

- FSC certified with label
- ULEF/NAUF certified
- DEP
- Made with recycled materials
- Locally manufactured
- Made with rapidly renewable resources
- Contribution to various environmental certification programs
- (LEED, Green Globe, etc.)
- Waterbase Finishing System
- Antimicrobial finishing

Soundproofing Performance

| STC Operable | Sound Rated Specialized Construction | | | | | | | | | | | |
|---|--------------------------------------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
| 46 dB | | | | 46 dB | | | | | | | | |
| 43 dB | 44 dB | 43 dB | | | 45 dB | | | | | | | |
| 40 dB | | | | | | 44 dB | | | | | | |
| 37 dB | | | 39 dB | | | | 43 dB | | | | | |
| 34 dB | | | | | | | | 42 dB | | | | |
| 31 dB | | | | | | | | | 41 dB | | | |
| 28 dB | | | | | | | | | | 40 dB | | 39 dB |
| Construction | SR44 (2) Paired | SR43 (2) Paired | SR39 (2) Paired | SR46 | SR45 | SR44 | SR43 | SR42 | SR41 | SR40 | SR39 | |
| Available Size | 6' x 7' (max. 3' x 7'/door) | | | 4' x 8' | 4' x 8" | 4' x 8" | 4' x 8" | 4' x 8" | 4' x 8' | 4' x 8" | 4' x 8" | |
| Weight Factor (lb/sq. ft.) | 10.6 | 8.8 | 7.4 | 10.6 | 10.6 | 10.6 | 8.8 | 8.8 | 8.8 | 7.4 | 7.4 | |
| Weight Based 3'x7' (lb) | 218 | 174 | 143 | 218 | 218 | 218 | 174 | 174 | 174 | 155.4 | 155.4 | |
| Fire Rated Slab Door | N/A | 20 min | 20 min | 20 min | 20 min | 20 min | 20 min | 20 min | 20 min | 20 min | 20 min | |
| Approved Fire Rated Glazed Opening | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available | |
| Fire Rated Glazing Kit | | | | | | | | | | | | |
| Lite Kit | N/A | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | |
| Glazing | N/A | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | |
| Maximum Vision (sq. in.) | N/A | 216 | 216 | 100 | 216 | 484 | 216 | 484 | 864 | 864 | 864 | |
| Non-Fire Rated Glazing Kit | | | | | | | | | | | | |
| Lite Kit | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | |
| Glazing | 11/16" Laminated | 11/16" Laminated | 5/8" Laminated | 5/8" Laminated | 5/8" Laminated | 5/8" Laminated | 1/2" Laminated | 1/2" Laminated | 5/8" Laminated | 1/2" Laminated | 1/2" Laminated | |
| Maximum Vision (sq. in.) | 216 | 216 | 216 | 100 | 216 | 484 | 100 | 484 | 864 | 864 | 864 | |
| Configuration of Soundproofing Hardware | | | | | | | | | | | | |
| Kit # | 13 | 13 | 13 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| Head & Jamb | | | | | | | | | | | | |
| Zero 119w | | | | | | | | | | | | |
| Pemko S-88 | | | | | | | | | | | | |
| Pemko S-88 (double) | | | | | | | | | | | | |
| Pemko S-44 | • | • | • | • | • | • | • | • | • | • | • | |
| DHSI 105 | | | | | | | | | | | | |
| Zero 8145 SBK | | | | | | | | | | | | |
| Stop | | | | | | | | | | | | |
| Pemko S-88 | | | | | | | | | | | | |
| Pemko S-773 | • | • | • | • | • | • | • | • | • | • | • | |
| Bottom Rail | | | | | | | | | | | | |
| Pemko S-773 | • | • | • | | | | | | | | | |
| Drop-Down Threshold | | | | | | | | | | | | |
| DHSI CS DP . 375 (2) | | | | | | | | | | | | |
| STC411APK/ACP112 | • | • | • | • | • | • | • | • | • | • | • | |
| Pemko 434 ARL | | | | | | | | | | | | |
| Unique 50 MHD | | | | | | | | | | | | |
| Zero 360 | | | | | | | | | | | | |
| Zero 369A | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Pemko AST 303AS (2) | • | • | • | | | | | | | | | |
| Pemko S-773 (inactive) | • | • | • | | | | | | | | | |
| ACP112 (cusion 1-1/4" x 2") | • | • | • | | | | | | | | | |

DOOR ASSEMBLY

SECTION 1.1 : DOOR CONSTRUCTION

- Core components pre-measured to standard sizes that vary depending door size and intended use.
- Standard sizes are suitable for the following door sizes: 3' x 7', 3'6" x 7', 3' x 8', 4' x 8', 4' x 10' and 3' x 7' (paired).
- Custom sizes available on request.
- The faces are glued to the core in accordance with industry standards for 1 3/4" 5-ply flush doors.
- Specification are based on a 3'0" x 7'0" and 4'0" x 8'0" test door (depending on construction).

Doors tested with specific configuration (see sections 1.1 to 2.1) in a 16ga steel frame filled with concrete). Usage of different configuration may affect tested STC rating.

Below are the construction details of an acoustic door with composite core for STC applications. These specifications must be followed as closely as possible to ensure maximum acoustic performance.

| Sound Rated Fireproof Construction | | | | | | | Sound Rated Standard Construction | | | | |
|------------------------------------|---------------|---------------|---------------|---------------|--------------------------------|--------------------------------|-----------------------------------|----------------|----------------|----------------|---------|
| 35 dB | 45 dB | 43 dB | 42 dB | 41 dB | | | | | | | |
| SR35 | SR4545 | SR4345 | SR4245 | SR4145 | RMC45/60/90 | AF45 | 7600 | 6000 | 8500 | 8600 | |
| 4' x 8" | 3' x 7' | 3' x 7' | 3' x 7' | 3' x 7' | 4' x 10' | 4' x 7' | 4' x 7' | 4' x 7' | 4' x 7' | 4' x 7' | 4' x 7' |
| 6.5 | 10.4 | 10.1 | 10.1 | 10.1 | 3.7 | 4.9 | 4.9 | 5.4 | 4.5 | 4.8 | |
| 137 | 218.4 | 212.1 | 212.1 | 212.1 | | 104 | 114 | 120 | 108 | 110 | |
| 20 min | 45 min | 45 min | 45 min | 45 min | 45, 60, or 90 min | 45 min | 20 min | 20 min | 20 min | 20 min | |
| Available | Available | Available | Available | Available | Available | Available | N/A | N/A | N/A | N/A | |
| Slimline VSLH | Slimline VSIG | Slimline VSIG | Slimline VSIG | Slimline VSIG | Anemostat Lopro | Anemostat Lopro | N/A | N/A | N/A | N/A | |
| 3/16" Firelite NT | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 7/8" Pyrostop | 1/4" wire of Firelite NT 3/16" | 1/4" wire of Firelite NT 3/16" | N/A | N/A | N/A | N/A | |
| 484 | 216 | 216 | 484 | 864 | 1290 | 100 | N/A | N/A | N/A | N/A | |
| Slimline VSIH | N/A | N/A | N/A | N/A | N/A | N/A | Slimline VSLH | Slimline VSLH | Slimline VSLH | Slimline VSLH | |
| 5/16" Laminated | N/A | N/A | N/A | N/A | N/A | N/A | 1/4" Laminated | 1/4" Laminated | 1/4" Laminated | 1/4" Laminated | |
| 484 | N/A | N/A | N/A | N/A | N/A | N/A | 100 | 100 | 100 | 100 | |
| 12 | 10 | 10 | 10 | 10 | 15 | 3 | 2 | 2 | 2 | 2 | |
| | | | | | | | | | | | |
| • | | | | | | | | | | | |
| | | | | | • | • | • | • | • | • | |
| | • | • | • | • | | | | | | | |
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| • | | | | | | | | | | | |
| | | | | | • | | | | | | |

ACOUSTIC

SECTION 1.2 : HARDWARE

- All STC tests are carried out with specific hardware (No. 161 cylindrical lock and 4 1/2" full mortise hinges).
- Extra heavy duty hinges are recommended.
- Vision Lite have been tested on specific door construction and will affect STC performance if deference to test area.
- Contact us for any construction modification, including vision kits.
- Any hardware not installed using though bolts must be properly tightened.

SECTION 2.1 : SEALING

- All levels of STC performance require specific gasket system and procedures.
- We can supply gasket products. Or, you can purchase products directly from a tested and approved manufacturer.
- Please refer to installation specifications for each gasket system.
- Acoustic hardware must be adjusted properly to door opening to meet manufacturing specification and 3rd party testing.

Eco-Solutions

LEED V4 BUILDING DESIGN + CONSTRUCTION

LEED V4.1 BUILDING DESIGN + CONSTRUCTION

| Construction | Baillargeon Extreme For Extra Heavy Duty Applications | | | | | |
|---|--|--------------------|----------------|----------------|----------------|----------------|
| | 8300 8500 | 8300 AF 8500 AF | 7000 | 6000 | 9300 9500 | 8600 |
| Total Possible Points | 15 pts | 15 pts | 15 pts | 15 pts | 15 pts | 15 pts |
| MR Credit (1 pt) Environmental Product Declarations | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt |
| MR Credit (1-2 pts) Sourcing of Raw Materials | Yes 1-2 pts | Yes 1-2 pts | Yes 1-2 pts | Yes 1-2 pts | Yes 1-2 pts | Yes 1-2 pts |
| EQ Credit (1-3 pts) Low-Emitting Materials | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts |
| EQ Credit (1-3 pts) Daylight | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts | Yes 1-3 pts |
| EQ Credit (1 pt) Quality Views | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt |
| EQ Credit (1pt) Acoustic Performance | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt | Yes 1 pt |
| RP Credit (1-4 pts) Regional Priority | Yes 1-4 pts | Yes 1-4 pts | Yes 1-4 pts | Yes 1-4 pts | Yes 1-4 pts | Yes 1-4 pts |

MR Credit: Environmental Product Declarations

Option 1: Use at least 20 different permanently installed products sourced from at least 5 different manufacturers that have an Environmental Product Declaration (EPD). Product Specific Type III EPD with External Verification are worth 1 product in LEED v4 and 1.5 products in LEED v4.1.

MR Credit: Sourcing of Raw Materials

Use a percentage of permanently installed building products that meet at a responsible extraction criteria. FSC Products are considered a responsible extraction criteria and are valued at 100% of their cost.

LEED v4

Use at least 25% of products, by cost, of the total value of permanently installed building products in the project. (1 pt)

LEED v4.1

Use at least 15% of products, by cost, of the total value of permanently installed building products in the project from at least 3 different manufacturers. (1 pt)

Use at least 30% of products, by cost, of the total value of permanently installed building products in the project from at least 5 different manufacturers. (2 pts)

EQ Credit: Low-Emitting Materials

Different materials must meet different low Volatile Organic Compound (VOC) requirements to be considered compliant for this requirement. Under LEED v4 and v4.1, Wood Doors are considered Walls or Wall Panels. Walls must be tested and comply with the VOC limits according to California Department of Public Health (CDPH) Standard Method v1.2-2017. SCS Indoor Advantage Gold is a certification that tests in accordance with this standard.

EQ Credit: Daylight

To provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight into the regularly occupied areas of the building.

Through 1 of the 3 following options, achieve daylighting in a certain percentage of the regularly occupied spaces.

- Option 1: Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure
- Option 2: Simulation: Illuminance Calculations
- Option 3: Measurement

EQ Credit: Quality Views

To provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of views into the regularly occupied areas of the building.

| Baillargeon Intense For Heavy Duty Applications | | | | | | Baillargeon Extreme For Standard Duty Applications | |
|--|---------|---------|---------|-------------|---------|---|---------|
| 8600 AF | PC5 | PC5 AF | SR | RMC45/60/90 | AF45/60 | 8100 | 9100 |
| 15 pts | 15 pts | 15 pts | 15 pts | 15 pts | 15 pts | 15 pts | 15 pts |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1-2 pts | 1-2 pts | 1-2 pts | 1-2 pts | 1-2 pts | 1-2 pts | 1-2 pts | 1-2 pts |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts | 1-3 pts |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt | 1 pt |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 1-4 pts | 1-4 pts | 1-4 pts | 1-4 pts | 1-4 pts | 1-4 pts | 1-4 pts | 1-4 pts |

Achieve direct line of sight to the outdoor environment via vision glazing for building occupants in 75% of all regularly occupied spaces.

EQ Credit: Acoustic Performance

For all occupied spaces, meet the applicable Sound Transmission ratings. Using wood doors with a Sound Transmission Class (STC) rating helps to achieve this credit.

LEED v4

Use wood doors with a STC rating of 45 or higher.

LEED v4.1

Use wood doors with a STC rating of 25 or higher.

RP Credit: Regional Priority

Up to 4 points can be proposed for this credit which is intended to allow adding point emphasis to recognize one or more issues that

address geographically specific environmental, social equity, and public health priorities.

To achieve a Regional Priority credit, the applicant must identify LEED credits which have additional regional environmental importance via the USGBC website, <http://www.usgbc.org>.

A project must achieve the base credit and then propose that credit as a Regional Priority credit.

Maximum contribution of Baillargeon Products to LEED v4 and LEED v4.1

| Categories | | Potential Contribution |
|--------------|-------------------------|---------------------------------|
| MR | Materials and Resources | 3 pts |
| EQ | Environmental Quality | 8 pts |
| RP | Regional Priority | 4 pts |
| Total | | Up to 16 points possible |

CAGBC | Canada Green Building Council



See our specification options in our spec sheets for specific information on the number of points possible.

Note that the contributions of custom doors will be provided upon request.

Baillargeon has all required documents related to LEED® certification and can therefore provide all information for a project. Please don't hesitate to contact us.

Structural Strength

IMPACT TEST ASTM F476-84 (BREAK-INS)

SIGNIFICANCE AND USE

Crime statistics show that the majority of all burglaries are committed in private homes. Test methods are therefore designed to evaluate the resistance of swinging door assemblies with a view to significantly reducing the number of burglaries.

METHODS SCOPE

- 1.1 These test methods cover door assemblies of various materials and types of construction for use in wall openings to deter unwanted intruders.
- 1.2 Door assemblies covered by these test methods also include individual components such as the hinges, lock, door, jamb/strike, and jamb/wall.
- 1.3 These test methods are designed to measure the capability of a swinging door assembly to restrain or delay and thereby reduce the number of break-ins.
- 1.4 These test methods apply primarily to typical entry door assemblies in single- and multi-family residential housing.

IMPACT TEST ASTM 1450-05 (DETENTION)

SIGNIFICANCE AND USE

Prison administrative officials are concerned about the security barriers used in their facilities. These test methods are therefore designed to aid in evaluating the physical security of hollow metal swinging door assemblies for detention facilities. The objective of the test is to reassure the public, facility administrative personnel, and inmates with regard to door strength.

METHODS SCOPE

- 1.1 These test methods cover requirements for mechanical tests, simulated service tests, and testing equipment for determining the performance characteristics of hollow metal swinging door assemblies of various styles and types of construction for use in wall openings and designed to incarcerate inmates.
- 1.2 These test methods test the capability of a swinging door assembly to prevent, delay, and frustrate escape, to limit or control access to unauthorized or secure areas, and to resist common types of vandalism.
- 1.3 These test methods apply primarily to detention door assemblies for secure areas inside detention/correctional facilities, such as day rooms, control rooms, cells, and sally ports.



| | | Baillargeon Extreme For Extra Heavy Duty Applications | | | |
|--|---|---|--------------------|--------------------|--|
| Construction | 7600 | 7000 | 6000 | 8500 | |
| Impact Resistance at the Center of the Door ASTM F476-84, Article 18 | Passed Grade 40 Nonstandard test: passed up to 400 J (295 ft.-lb.) | Passed Grade 40 | Passed Grade 40 | Passed Grade 40 | |
| Impact Resistance of Glazing ASTM F476-84, Article 18 | Passed Grade 40 | Test not completed | Test not completed | Test not completed | |
| Impact Resistance of Hinges ASTM F476-84, Article 19 | Passed Grade 40 | Passed Grade 40 | Passed Grade 40 | Passed Grade 40 | |
| Impact Resistance of Bolts ASTM F476-84, Article 21 | Passed Grade 40 | Passed Grade 40 | Passed Grade 40 | Passed Grade 40 | |

| | | Baillargeon Intense For Heavy Duty Applications | |
|--|--------------------|---|--|
| Construction | PC5 | 8600 | |
| Impact Resistance at the Center of the Door ASTM F476-84, Article 18 | Passed Grade 30 | Passed Grade 30 | |
| Impact Resistance of Glazing ASTM F476-84, Article 18 | Test not completed | Test not completed | |
| Impact Resistance of Hinges ASTM F476-84, Article 19 | Passed Grade 30 | Passed Grade 30 | |
| Impact Resistance of Bolts ASTM F476-84, Article 21 | Passed Grade 30 | Passed Grade 30 | |

| | | Baillargeon Extreme For Extra Heavy Duty Applications | |
|--|--|--|--|
| Construction | 7600 | | |
| Door Assembly (Lock) Impact Resistance ASTM F1450 - Article 7.2 After impact testing is completed, keep the door locked and secure such that forcible egress cannot be achieved. | Passed Grade 4 100 impacts of 200 ft.-lb. (271.2 J) at lock level | RESULTS With the addition of 1/16" steel plate of 12"x12" at lock level (exterior side), entrance is not gained after 100 impacts of 200 ft.-lb. (271.2 J). | |
| Door Assembly (Hinge) Impact Resistance ASTM F1450 - Article 7.2 After impact testing is completed, keep the door locked and secure such that forcible egress cannot be achieved. | Passed Grade 4 35 impacts of 200 ft.-lb. (271.2 J) at bottom, center, and top hinges. | RESULTS Entrance is not gained after 35 impacts of 200 ft.-lb. (271.2 J) at bottom, center, and top hinges. | |

BAILLARGEON® SERIES

Factory-Finished Painted Doors



Color the World

Create the visual impact of a painted door without the risk of field-applied finishes. With every factory-finished painted door, Forte infuses color-critical design elements and unmatched quality from our professionally applied finish. Our state-of-the-art equipment ensures stunning results in every project—every time.

Unlike field finished doors, which are susceptible to color inconsistency and damage, our factory-finished doors offer superior uniformity, arrive in your selected color and are backed by a manufacturer's warranty.* Also, factory painted doors are more eco-friendly since factory-finishing reduces potentially harmful chemical pollutants from jobsites by minimizing the amount of finish coatings that are introduced into the air.

CONSISTENCY

- Uniform color, texture and coating consistency
- Paint applied and cured with state-of-the-art modern spray system designed for optimal flash-drying and cooling cycles, providing quality finish with greater durability than field-painted doors.

EFFICIENCY

- Expedited project completion with production scheduled factory-finishing
- Lower finishing costs, as jobsite preparation, painting and cleanup are not necessary

RELIABILITY

- Factory-controlled environment that reduces contact with dust and dirt
- Enhanced design options afforded by reliable and repeatable factory color matching

Molded Panel

- Smooth hardboard with deep, rich embossments

Fiberboard

- High density, smooth surface with enhanced physical properties and no pronounced wood grain

Beautiful Doors Start at the Surface

Factory-finished painted wood doors by Forte Opening Solutions® are available in a variety of surface materials** to meet aesthetic preferences and project objectives so you can always specify with confidence.

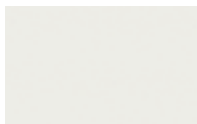
All include a 1 year warranty

Designer Colors Collection

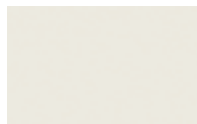
These colors have been carefully curated to evoke a sense of tranquility and sophistication, drawing inspiration from the natural world and urban landscapes. With hues that range from soft whites to deep grays and browns reflective of weathered stone and city streets, this collection offers versatility and elegance for any space.

Standard Paint Colors

Our best value with a range of options to meet the needs of most projects.



Platinum White



Washed White



Harbor Gray



Midnight Sky



Graystone



Urban Gray



Wrought Iron

Standard+ Paint Colors

Trend-inspired hues for a more customized look without the custom price.



Upward



Evergreen Fog



Linen Taupe



Egyptian Blue

★ Sherwin-Williams Color of the Year, 2024.

Specify Factory-Finished Painted Wood Doors with Confidence

View our complete collection of wood species, available paint colors and order samples at: forteopenings.com/samples

Make a Statement with Natural Beauty

PROFESSIONALLY CRAFTED WOOD DOORS LEAVE A STUNNING, LASTING IMPRESSION.

Forte™ Opening Solutions partners with architects, interior designers and building owners to help them shape better environments. Combining 100 years of experience with our knowledge of modern design practices, we've selected the finest trend-forward stains that we meticulously factory-apply to achieve the highest quality color, sheen, tint and tone.

Our factory-finished stained wood doors showcase their unique, natural surface character, complementing and completing the built environment.



Benefits of Factory-Finished Stained Wood Doors:

- Stains that highlight natural wood surfaces
- Design flexibility to pair stain colors with wood veneers
- Factory-finishing for consistency
- Added layer of protection and durability for natural wood veneers
- Popular colors that reflect current trends
- Timeless quality and enduring beauty to shape environments that are unique, yet timeless across projects

Light and Bright

Create a sense of openness with this palette of light stains. Paired with a protective clear topcoat, these stains enhance the natural beauty of lighter select veneers, including white oak and white maple.

Standard Colors

Our best value with a range of options to meet the needs of most projects.



Honey



Sandstone



Dusty Canyon



Wheatfield



Antique Barrel

Standard+ Colors

Trend-inspired hues available at a slight premium over standard, for a more customized look without the custom price.



Caramel+



Cane+



Cottage Stone+

Dark and Warm

Create rich appeal and elegant contrast with darker stains for wood species where more natural variation occurs, such as rotary natural birch and walnut. These statement-making stain colors add a touch of luxury to any space.

Standard Colors

Our best value with a range of options to meet the needs of most projects.



Warm Spice



Nutmeg



Cocoa Bean



Stout



Driftwood



Kona Black



English Saddle

Standard+ Colors

Trend-inspired hues available at a slight premium over standard, for a more customized look without the custom price.



Bourbon+



Espresso+



Medium Brown+



Deep Woods+



Wild Rice+



Dark Truffle+



Dark Walnut+

When we say “Beyond Standard”, we mean it.



Your project isn't standard, so why should your doors be?
We pride ourselves on offering the highest degree of customization to meet your project's unique vision.



CUSTOM THICKNESS CONSTRUCTIONS

Go beyond the norm with custom thickness options made possible with our tooling flexibility, manufacturing equipment and creative team.



CAPABILITY TO TIGHTLY ADHERE TO ARCHITECTURAL SPECS

Our specialized processes and construction techniques reflect our deep experience across a wide range of species, architectural specifications and performance requirements.



CONNECTING DESIGN TO FUNCTIONALITY

Thoughtful designs, consistency of scale and innovative engineering have established our doors as the industry standard and preference for creating successful buildings.



CAPACITY TO ENSURE EXTRAORDINARY FULFILLMENT

Our 99,939-sq. ft., state-of-the-art manufacturing facility was purpose-built to balance the craft of custom work and the efficiencies of high volume production runs.

Our client-friendly order, production and service environments, combined with an end-to-end focus on quality, have earned us a reputation for doing things right, and doing the right thing.



CUSTOM VENEER

A full range of domestic and exotic veneer species allow you to explore and discover less traditional wood species for your project.



GENERAL, PROJECT-SPECIFIC AND APPLICATION-SPECIFIC WARRANTIES

We confidently back our products with industry-leading warranties. Your project isn't standard, so why should your doors be? We pride ourselves on offering the highest degree of customization to meet your project's unique vision.



Shaping Better Environments™

At Forte™ Opening Solutions, we believe a door is more than just a door, and we are more than just a manufacturer. A door is a central fixture that can dramatically shape the built environment. Over the last 100 years, we've kept a strong focus on innovation and heritage. Our manufacturing process is developed from deep industry knowledge and offers unique and differentiated capabilities in the application of wood veneers. Today, our network of design and manufacturing locations around North America is the most extensive in the wood door industry.

We strive to be our customers' indispensable partner — with expertise that empowers, a compelling product offering and extraordinary service — to help create beautiful and successful buildings.

