

RK Doors

Architectural Wood Doors & Frames

RK45 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DOOR MANUFACTURING STANDARDS

- Stiles and rails securely bonded to core, then entire unit sanded before laminating to ensure minimal telegraphing of core parts through face.
- Face laminates glued to core in hot or cold press, at manufacturer's option.
- Glued with generally accepted fire rated adhesives.

STILES /EDGES AND RAILS

May be manufactured with wood, composite material or a combination of wood and composite material in accordance with the following guidelines as established through fire test data conducted by Warnock Hersey International.

STILES/EDGES		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	3/16" (17.5mm)	1/8" (22.2mm)
COMPOSITE	1/4" (19.0mm)	No Maximum
COMBINATION	wood - No Minimum composite - 3/4" (19.0mm)	wood - 1/2" (12.7mm) composite - No Maximum
TOP RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	3/8" (15.9mm)	1/8" (22.2mm)
COMPOSITE	1" (25.4mm)	No Maximum
COMBINATION	wood - No Minimum composite - 1/4" (19.0mm)	wood - 3/32" (16.7mm) composite - No Maximum
BOTTOM RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	3/4" (19.0mm)	1 1/8" (47.6mm)
COMPOSITE	1" (25.4mm)	2" (50.8mm)
COMBINATION	Not Permitted	Not Permitted

NOTE: Wider stiles and rails are available however are subject to limitations. To ensure fire rating label integrity manufacturer must be consulted for special stile and rail requirements.

COMPOSITE MINERAL CORE

Formed flat panels consisting of generally accepted non combustible mineral core (minimum density 26 lbs/ft³, 416.5 kg/m³).

MINIMUM STANDARDS OF CONSTRUCTION

Door components and assembly shall be produced in accordance with fire rating manufacturing standards as established by Warnock Hersey International. Manufacturer's fire rating label or equivalent certificate shall be affixed to (or accompany) each fire rated door.

TOLERANCES

- Warp and twist shall not exceed 1/4" (6.3mm) after hanging for doors 3'-6" (1066.8mm) in width x 7'-0" (2133.6mm) in height in accordance with AWMAC specified tolerance.
- Telegraphing shall not exceed 1/100" (0.254mm) in 3" (76.2mm) span.
- Thickness shall not exceed +/- 1/16" (1.5mm).
- Subject to limitations hardware tolerance shall be as specified by hardware manufacturer.

HANDLING AND INSTALLATION

Those responsible for this work must observe care in the handling, fitting and use of the doors from time of delivery to the job-site, with particular emphasis on the following:

- Doors must be stored flat on a level bed, in an area where the relative humidity is not lower than 25% or higher than 55%. Doors must not be subjected to extreme heat or cold or fluctuation thereof. When doors are stored covered, ensure light cannot penetrate cover and air can circulate.
- Doors must not be hung until the relative humidity in the building is between 25% and 55%.
- Doors may not be modified without the manufacturer's advice or prior written approval. All cutouts, openings and modifications to doors are subject to limitations and manufacturing standards as set by Warnock Hersey International.
- Doors must be given a protective covering finish on all surfaces as soon as they are hung, or within one week of delivery to job-site whichever is the earlier. Bottom and top edges of all doors must be given a further two coats of effective sealer before hanging and this must be renewed after any subsequent fitting. All glass in exterior must be bedded in putty or mastic.
- Handle doors wearing clean gloves and do not drop doors across one another or other surfaces.
- Doors must be properly hung on three or more butts and must not be wedged open under tension.
- Cutouts in plastic laminate and backer doors to accommodate view holes, grills, lights or letter slots, etc. must receive prior written approval from the manufacturer and then made as follows:
 - internal angles made with rounded corners,
 - edge of laminate face chamfered, filed or sanded free from chips,
 - clearance provided for normal movement to permit ease of intended use.

NOTE: Fire rated doors must not be altered after manufacture without the prior written consent of RK. Any such modification will void the fire rating.

Failure to comply with these requirements will void warranty.

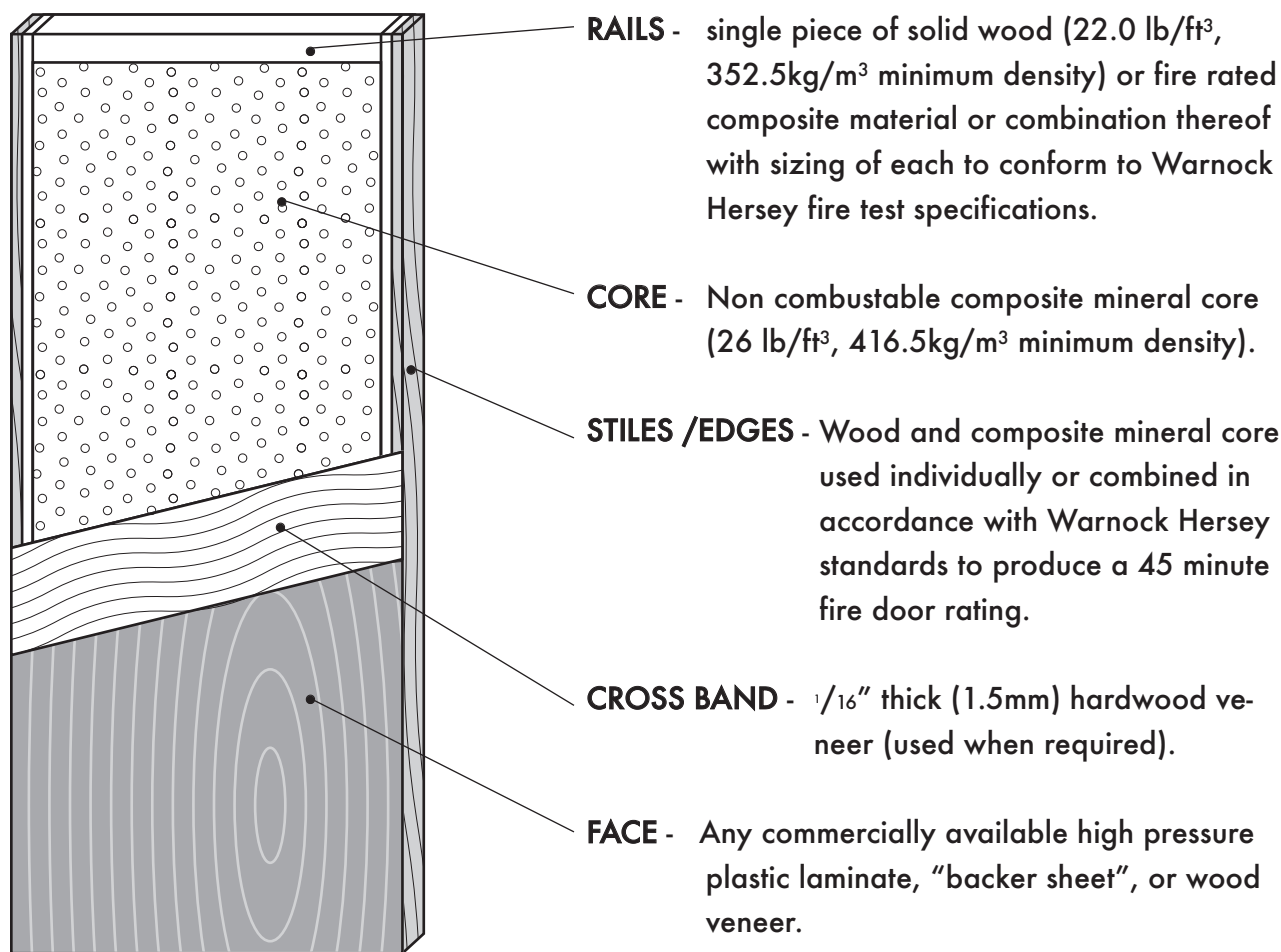
RK reserves the right to alter and change these specifications at any time.

Hardware requirements in most cases will involve special blocking and reinforcement to support hardware installation as blocking and reinforcement requirements will vary considerably depending on hardware to be incorporated into the design of the fire rated door. The cost for the blocking and reinforcement can only be included in the door pricing when specified. In addition, there are manufacturing limitations to hardware use in fire rated doors and it is therefore imperative that the manufacturer be consulted prior to hardware being specified in fire rated doors.

RK45 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DESCRIPTION

A high quality 3 ply or 5 ply door for fire rated applications.
Face finishes can be paint, high pressure plastic laminate or wood veneer.



FIRE RATING - Complies with Warnock Hersey manufacturing specifications and guidelines.

WARRANTY - Three year limited warranty. For interior use only.

SPECIAL APPLICATIONS - Doors may be manufactured to customer requirements, subject to limitation for lites, louvers, decorative mouldings, hardware requirements, etc.

HARDWARE - All hardware will require special consideration for blocking and reinforcement which must be built into the door. The cost of this material and labour will only be included in the cost of the door when specified in conjunction with the hardware to be incorporated with the door.

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RK60 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DOOR MANUFACTURING STANDARDS

- Stiles and rails securely bonded to core, then entire unit sanded before laminating to ensure minimal telegraphing of core parts through face.
- Face laminates glued to core in hot or cold press, at manufacturer's option.
- Glued with generally accepted fire rated adhesives.

STILES /EDGES AND RAILS

May be manufactured with wood, composite material or a combination of wood and composite material in accordance with the following guidelines as established through fire test data conducted by Warnock Hersey International.

STILES/EDGES		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	3/4" (19.0mm)	No Maximum
COMBINATION	wood - 1/2" (12.7mm) composite - 3/4" (19.0mm)	wood - 1/2" (12.7mm) composite - No Maximum
TOP RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	1" (25.4mm)	No Maximum
COMBINATION	wood - No Minimum composite - 3/32" (18.3mm)	wood - No Maximum composite - No Maximum
BOTTOM RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	1" (25.4mm)	No Maximum
COMBINATION	Not Permitted	Not Permitted

NOTE: Wider stiles and rails are available however are subject to limitations. To ensure fire rating label integrity manufacturer must be consulted for special stile and rail requirements.

COMPOSITE MINERAL CORE

Formed flat panels consisting of generally accepted non combustible mineral core (minimum density 26 lbs/ft³, 416.5 kg/m³).

MINIMUM STANDARDS OF CONSTRUCTION

Door components and assembly shall be produced in accordance with fire rating manufacturing standards as established by Warnock Hersey International. Manufacturer's fire rating label or equivalent certificate shall be affixed to (or accompany) each fire rated door.

TOLERANCES

- Warp and twist shall not exceed 1/4" (6.3mm) after hanging for doors 3'-6" (1066.8mm) in width x 7'-0" (2133.6mm) in height in accordance with AWMAC specified tolerance.
- Telegraphing shall not exceed 1/100" (0.254mm) in 3" (76.2mm) span.
- Thickness shall not exceed +/- 1/16" (1.5mm).
- Subject to limitations hardware tolerance shall be as specified by hardware manufacturer.

HANDLING AND INSTALLATION

Those responsible for this work must observe care in the handling, fitting and use of the doors from time of delivery to the job-site, with particular emphasis on the following:

- Doors must be stored flat on a level bed, in an area where the relative humidity is not lower than 25% or higher than 55%. Doors must not be subjected to extreme heat or cold or fluctuation thereof. When doors are stored covered, ensure light cannot penetrate cover and air can circulate.
- Doors must not be hung until the relative humidity in the building is between 25% and 55%.
- Doors may not be modified without the manufacturer's advice or prior written approval. All cutouts, openings and modifications to doors are subject to limitations and manufacturing standards as set by Warnock Hersey International.
- Doors must be given a protective covering finish on all surfaces as soon as they are hung, or within one week of delivery to job-site whichever is the earlier. Bottom and top edges of all doors must be given a further two coats of effective sealer before hanging and this must be renewed after any subsequent fitting. All glass in exterior must be bedded in putty or mastic.
- Handle doors wearing clean gloves and do not drop doors across one another or other surfaces.
- Doors must be properly hung on three or more butts and must not be wedged open under tension.
- Cutouts in plastic laminate and backer doors to accommodate view holes, grills, lights or letter slots, etc. must receive prior written approval from the manufacturer and then made as follows:
 - internal angles made with rounded corners,
 - edge of laminate face chamfered, filed or sanded free from chips,
 - clearance provided for normal movement to permit ease of intended use.

NOTE: Fire rated doors must not be altered after manufacture without the prior written consent of RK. Any such modification will void the fire rating.

Failure to comply with these requirements will void warranty.

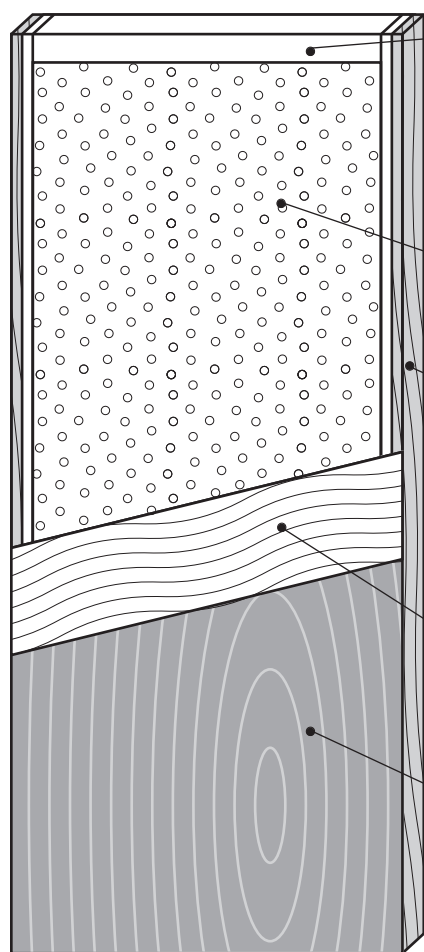
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Hardware requirements in most cases will involve special blocking and reinforcement to support hardware installation as blocking and reinforcement requirements will vary considerably depending on hardware to be incorporated into the design of the fire rated door. The cost for the blocking and reinforcement can only be included in the door pricing when specified. In addition, there are manufacturing limitations to hardware use in fire rated doors and it is therefore imperative that the manufacturer be consulted prior to hardware being specified in fire rated doors.

RK60 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DESCRIPTION

A high quality 3 ply or 5 ply door for fire rated applications.
Face finishes can be paint, high pressure plastic laminate or wood veneer.



RAILS - single piece of solid wood (22.0 lb/ft³, 352.5kg/m³ minimum density) or fire rated composite material or combination thereof with sizing of each to conform to Warnock Hersey fire test specifications.

CORE - Non combustable composite mineral core (26 lb/ft³, 416.5kg/m³ minimum density).

STILES / EDGES - Wood and composite mineral core used individually or combined in accordance with Warnock Hersey standards to produce a 60 minute fire door rating.

CROSS BAND - 1/16" thick (1.5mm) hardwood veneer (used when required).

FACE - Any commercially available high pressure plastic laminate, "backer sheet", or wood veneer.

FIRE RATING - Complies with Warnock Hersey manufacturing specifications and guidelines.

WARRANTY - Three year limited warranty. For interior use only.

SPECIAL APPLICATIONS - Doors may be manufactured to customer requirements subject, to limitation for lites, louvers, decorative mouldings, hardware requirements, etc.

HARDWARE - All hardware will require special consideration for blocking and reinforcement which must be built into the door. The cost of this material and labour will only be included in the cost of the door when specified in conjunction with the hardware to be incorporated with the door.

RK Doors

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RK90 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DOOR MANUFACTURING STANDARDS

- Stiles and rails securely bonded to core, then entire unit sanded before laminating to ensure minimal telegraphing of core parts through face.
- Face laminates glued to core in hot or cold press, at manufacturer's option.
- Glued with generally accepted fire rated adhesives.

STILES /EDGES AND RAILS

May be manufactured with wood, composite material or a combination of wood and composite material in accordance with the following guidelines as established through fire test data conducted by Warnock Hersey International.

STILES/EDGES		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	$\frac{31}{32}$ " (24.6mm)	No Maximum
COMBINATION	wood - $\frac{1}{4}$ " (6.4mm) composite - $\frac{31}{32}$ " (24.6mm)	wood - $\frac{1}{4}$ " (6.4mm) composite - No Maximum
TOP RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	1" (25.4mm)	No Maximum
COMBINATION	wood - No Minimum composite - 1" (25.4mm)	wood - $\frac{17}{32}$ " (13.0mm) composite - No Maximum
BOTTOM RAIL		
Material Used	Minimum Thickness	Maximum Thickness
SOLID WOOD	Not Permitted	Not Permitted
COMPOSITE	1" (25.4mm)	No Maximum
COMBINATION	Not Permitted	Not Permitted

NOTE: Wider stiles and rails are available however are subject to limitations. To ensure fire rating label integrity manufacturer must be consulted for special stile and rail requirements.

COMPOSITE MINERAL CORE

Formed flat panels consisting of generally accepted non combustible mineral core (minimum density 26 lbs/ft³, 416.5 kg/m³).

MINIMUM STANDARDS OF CONSTRUCTION

Door components and assembly shall be produced in accordance with fire rating manufacturing standards as established by Intertek. Manufacturer's fire rating label or equivalent certificate shall be affixed to (or accompany) each fire rated door.

TOLERANCES

- Warp and twist shall not exceed $\frac{1}{4}$ " (6.3mm) after hanging for doors 3'-6" (1066.8mm) in width x 7'-0" (2133.6mm) in height in accordance with AWMAC specified tolerance.
- Telegraphing shall not exceed $\frac{1}{100}$ " (0.254mm) in 3" (76.2mm) span.
- Thickness shall not exceed $\pm \frac{1}{16}$ " (1.5mm).
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HANDLING AND INSTALLATION

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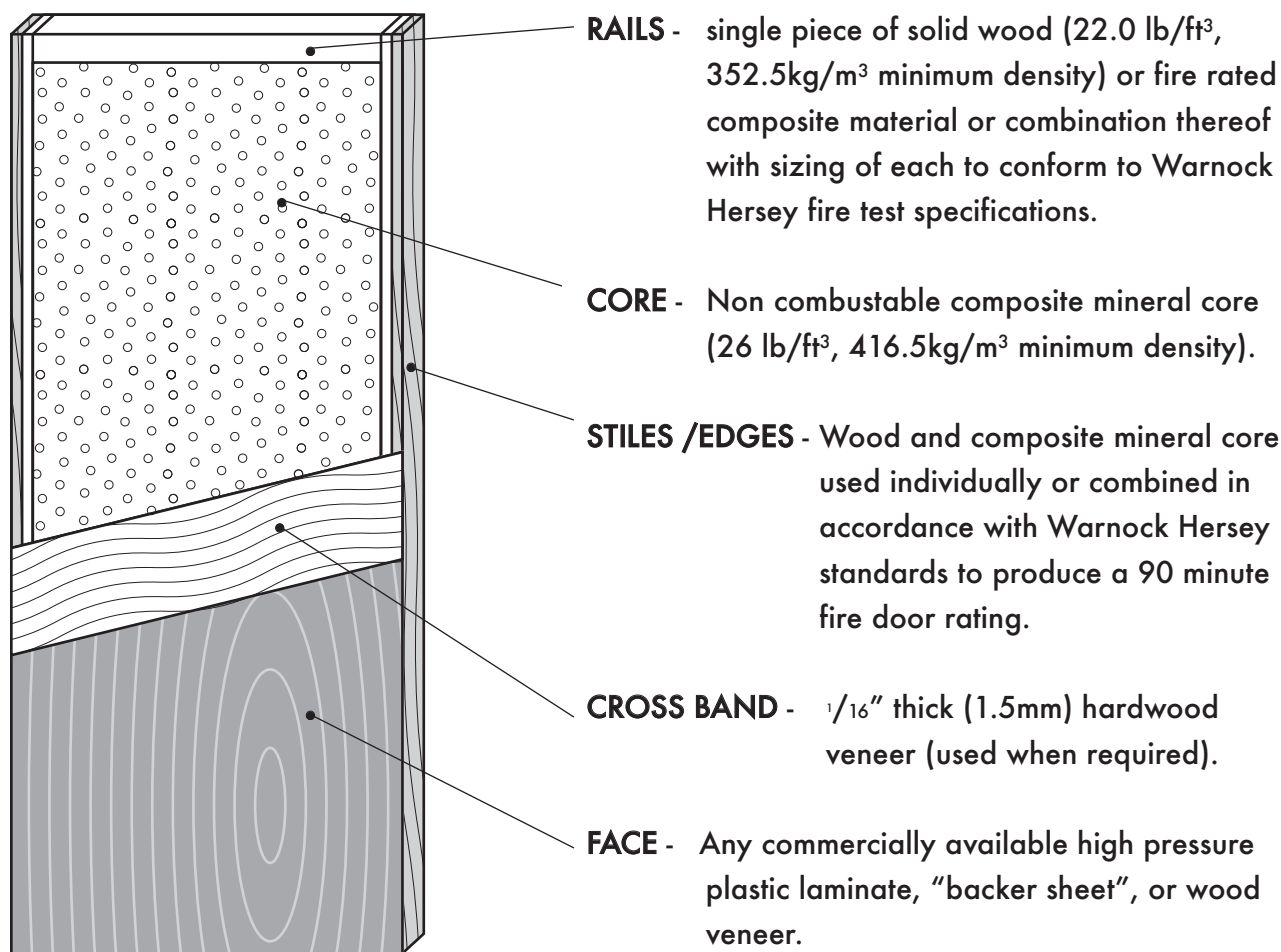
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RK90 MINUTE FIRE RATED PB-Paint Backer HB-Hard Board PL-Plastic Laminate WV-Wood Veneer

DESCRIPTION

A high quality 3 ply or 5 ply door for fire rated applications.
Face finishes can be paint, high pressure plastic laminate or wood veneer.



FIRE RATING - Complies with Warnock Hersey manufacturing specifications and guidelines.

WARRANTY - Three year limited warranty. For interior use only.

SPECIAL APPLICATIONS - Doors may be manufactured to customer requirements, subject to limitation for lites, louvers, decorative mouldings, hardware requirements, etc.

HARDWARE - All hardware will require special consideration for blocking and reinforcement which must be built into the door. The cost of this material and labour will only be included in the cost of the door when specified in conjunction with the hardware to be incorporated with the door.