

AF60 TECHNICAL SPECIFICATIONS | NEUTRAL / POSITIVE PRESSURE

60-MINUTE FIRE - RESISTANT AGRIFIBRE COREDOOR	
MACHINING INFORMATION MAXIMUM DOOR SIZES	
DOOR TYPE	MAXIMUM SIZE
Simple - swing	4' X 8' (1219 mm X 2438 mm)
Simple - swing Dutch door	NOT ALLOWED
Pairs - conventional	NOT ALLOWED
Pairs - double egress	NOT ALLOWED
Door with transom, overall size of opening	NOT ALLOWED

Temperature rise: Maximum 250°F at 60 minutes, per UBC SBCC, BOCA and IBC. **Nominal door overall thickness: Up to 2" (51 mm).**

HARDWARE OPTIONS

Refer to Table 1 for construction requirements to accommodate specific hardware types. Installation must be in accordance with NFPA 80, Section 1-3.4. Only hardware listed and labelled for use with wood fire doors may be installed. Hardware not listed below must be approved, in writing, by Intertek Testing Services.

INTERNAL BLOCKING:

| High density composite mineral only.

LATCHES:

| Listed cylindrical or mortise (includes listed card type).
| Latches and deadbolts.

HINGES:

| Minimum 3 hinges as per the requirements of NFPA 80.
| Hinges must be 4 1/2" X 4" (112 mm X 100 mm).
| Steel ball bearing hinges must have a minimum thickness of 1/8" (3 mm).
| Listed spring hinges are permitted.

FLUSH BOLTS:

| Listed surface mount flush bolts.

Fire exit hardware:

| Surface mount panic hardware.
| Rim-type exit hardware.
| Mortise-type exit hardware.
| Install through-bolt hardware or internal blocking required.

CLOSER:

| Surface mount.
| Concealed closer.

DOOR DROP BOTTOMS:

| Surface mount.
| Listed mortise automatic door bottoms.
| Require 5" (127 mm) bottom rail.

Note: Important to install all hardware in accordance with manufacturer's instructions.

ELECTRIC RACEWAYS:

| 2 Raceways maximum in a door may be cut in core. 3/8" X 3/8" (9 mm X 9 mm) maximum and 4" (102 mm) apart.

VIEWERS:

| Maximum of two viewers (listed only).

LITES:

| Not allowed.

SURFACE PLATES:

| 48" X 48" (1219 mm X 1219 mm) maximum.
| Fastened using screws or double-sided tape.
| Steel, stainless steel, PVC, aluminum, polycarbonate, brass, bronze or ABS.

ELECTRIC STRIKES:

| Listed electric strikes may be used. Maximum mortise 2" (51 mm) deep, 5" (127 mm) wide mineral stile is required.

PLANT-ON:

| Wood mouldings up to 2 1/2" (64 mm) wide, covering up to 20% of door surface area.
| Fastened using nails and/or adhesive.
| Individual mouldings shall be a minimum of 3 1/2" (89 mm) apart.
| Lay-on or applied mouldings are permitted.

BEVELLING:

| Door edges may be at right angles to the face or include a bevel up to 1/2" (13 mm) in 2" (51 mm).
| The standard bevel is 1/8" (3 mm) in 2" (51 mm).

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TABLE 1				
HARDWARE TYPE	RATING	STILES OR RAILS	INTERNAL BLOCKING*	OTHER REQUIREMENTS
Single point latch	60	Standard	Optional	
Mortise lock/latch**60		Standard	Required Maximum 4"	
Concealed closer	60	5" top rail	Not applicable	
Surface mount closerAll		2" top rail	Not applicable	Blocking required if closer mount below 2"
Viewer		Standard	Not applicable	2 maximum. Listed
Rim-type exit	All	Standard	Required	4" X 12" blocking at both sides of door
Surface panic	All	Standard	Required	4" X 12" blocking at both sides of door
Mortise door bottomAll		5" bottom rail	Not applicable	

*Blocking for closer optional for all hardware options. Through bolt may be used in place of blocking.

**Includes card operated, mortise-type exit hardware.