

FIRE DOORS



Swartland offers 30 minute fire rated wooden doors and timber doorframes.

Swartland's fire door leaf has been tested by the SABS in accordance with SANS 1253:2003 and has been certified as a Class E (30 minute fire rated) component of a Class E Fire Door Assembly. A copy of the test report is available on request.

The following fire doors are available for internal use:

INTERIOR DEEP MOULDED DOORS



Cantebury
EBCTBFSO



Colonist
EBCLNFSO



Classique
EBCSSFSO



Elegance
EBELGFSO

BERGSUN DOORS AND INTERIOR VENEER & HARDBOARD DOORS



Bergsun
Commercial
BSHRZFS2



Commercial
Veneer
VNCOMFS2



Sapele
Veneer
VNSAPFS2



Horizontal
Hardboard
HBHRZFSO



Standard
Hardboard
HBSTDFS0

EXTERIOR COMMERCIAL / HARDWOOD FACED FIRE DOOR



Horizontal Grooved
PD652



Detail section showing
Mixed Timber Core

Door Description: PD652 is a Solid Laminated Mixed Timber Flush Door, consisting of Hardwood Face Veneers, Hardwood Concealed Edges and a Mixed Timber core.

What makes this door so unique is that apart from having a 30 minute fire rating, this door has also been certified as a **Class 1 (Exterior) Heavy Duty Door** (refer to SABS Test Report : 2536/BMT-171003-00001 dated 31/10/2017).

All Flush Doors maximum rated size:
2400x1200x 40mm

All Deep Moulded maximum rated size:
2032 x 813 x 40mm

Reference SABS test Reports for fire rating:

Flush door: 2538/85790/FPE14

Deep moulded door: 2538/85831/FPE14

PD652 door: BCT-180313-00042 dated 16/4/2018

The specifications for a Class E Fire Door Assembly are as follows:

DOOR	Swartland 30 minute fire rated door leaf
DOOR FRAME	Swartland 30 minute fire rated KYFH1/NS 67x86mm timber door frame with 43x25mm rebate OR Steel door frame, 1,6mm thick with 48x25mm rebate
HINGES	3x 100mm Butt hinges for frames of which the height does not exceed 2.08m. All other frames shall have at least four hinges per leaf.
IRONMONGERY	Standard Mortice Lock and pressed steel handles

Only once the entire Class E Fire door assembly is correctly installed, will the unit comply with the appropriate building regulations governing fire protection and a manufacturer's fire certificate of compliance can be issued.

FIRE FRAMES

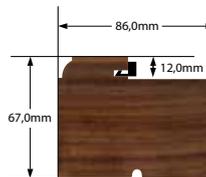


Swartland offers the following fire door frames:

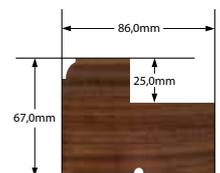
Product Code	Size	Overall dimension	Description
KYFH1/NS	86 x 67	897 x 2101mm	30 Minute fire door frame with 25mm rebate, with no sill
KYFH1/OI	86 x 67	897 x 2112mm	30 Minute fire door frame with 25mm rebate, with sill, open in
KYFH1/OO	86 x 67	897 x 2128mm	30 Minute fire door frame with 25mm rebate, with sill, open out

DOES NOT COMPLY ❌

COMPLIES ✅



SK1/NS



KYFH1/NS

WHAT THE BUILDING REGULATIONS SAY?

The following was identified as areas which require 30 minute fire doors:

- Any door fitted between house/apartment and garage (SANS 10400-T:2011, 4.9.2)
- Any door closer than 3m to an access door, **passage** or an open stairway **that forms part of an escape route** (SANS 10400-T:2011, 4.27.2). An escape route being the entire path of travel for all persons, including persons with disabilities, from the furthest point in any room in a building to the nearest escape door and may include an emergency route (SANS 10400-T:2011, 3.36)
- Any door fitted to a refuge area (note 30 minutes minimum - fire engineer may require higher fire resistance) (SANS 10400-T:2011, 4.16.8)

OTHER FIRE DOOR REQUIREMENTS

4.10.3 Any fire door or fire shutter shall comply with the requirements of SANS 1253.

4.10.4 Any fire door or fire shutter (excluding fire doors and fire shutters to service shafts and service rooms) shall be fitted with a self-closing or automatic closing device in accordance with the requirements of SANS 1253.

4.10.5 Any fire door which is required to have a specific fire resistance may be replaced by two separate fire doors which shall be positioned apart not less than 1,5 times the width of any leaf of such door, provided that the sum of the fire resistances of such separate doors shall not be less than the fire resistance required for the single door.

*4.10.6 Any hinged fire doors installed in terms of 4.10.5 shall open in the direction of egress and be hinged on the same side.
(SANS 10400-T:2011, 4.10.3 - 4.10.6)*

For any further queries, feel free to speak to your Swartland representative or contact one of Swartland's in-house architectural professionals.



www.swartland.co.za

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