K2 GRP FIRE DOOR SPECIFICATION

Hinged single doorset

K2 GRP fire-rated doorset up to -/90/90sm

Product code: K2_GRP90_HS

Fire resistance rating: Up to -/90/90sm

Note: If a door grille is required, the maximum insulation rating is 60 minutes (-/90/60sm). See the grille smoke-control limitation.

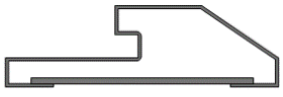
Leaf sizes and wall types

Wall type	Maximum leaf height	Maximum leaf width	Jamb type	Report references
Steel stud with Fyreline GIB linings	2400 mm	1200 mm	K2-2Lip	PF21004 & AR25091
Steel stud with Fyreline GIB linings	2400 mm	1200 mm	K2-4Lip	AR25091
Precast	2400 mm	1200 mm	K2-2Lip	PF21004 & AR25091
Precast	2400 mm	1200 mm	K2-4Lip	AR25091
Block	2400 mm	1200 mm	K2-2Lip	PF21004 & AR25091
Block	2400 mm	1200 mm	K2-4Lip	AR25091

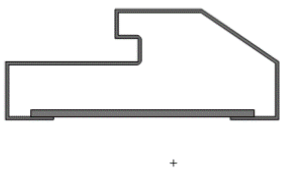
Nominal leaf thickness	Acoustic rating	Facings
50 mm	N/A	GRP fibreglass

Threshold sill types

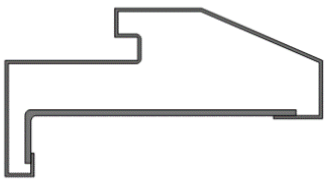
The following sill profiles are available for this rated doorset.



K2-2Lip Removable Sill



K2-2Lip Fixed Sill

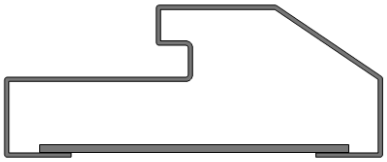


K2-4Lip Fixed Sill

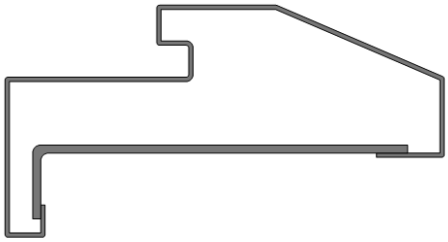
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Frames and jambs

Available frame profiles for this doorset are K2-2Lip and K2-4Lip, in steel or stainless steel.



K2-2Lip



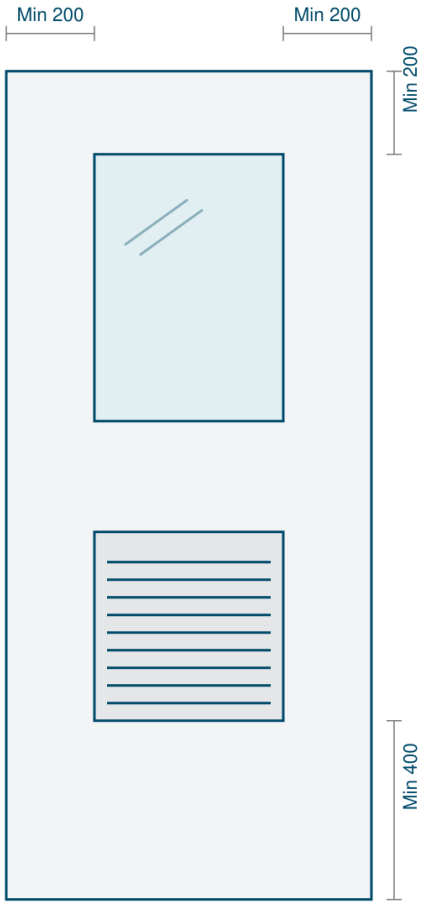
K2-4Lip

Frame sizes by wall type

Wall type	K2-2Lip	K2-4Lip	Jamb material	Report references
Steel stud with Fyreline GIB linings	Min 115 mm Max 200 mm	Min 142 mm Max 200 mm	Stainless steel or steel	PF21004, AR25091 & PF26003
Precast	Min 115 mm Max 200 mm	Min 142 mm Max 200 mm	Stainless steel or steel	PF21004, AR25091 & PF26003
Block	Min 115 mm Max 200 mm	Min 142 mm Max 200 mm	Stainless steel or steel	PF21004, AR25091 & PF26003

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Vision panels and grilles



Representative leaf

Dimensions in mm; schematic

Glazed vision panels

Glass: Schott Pyranova 30

Report references: PF21004

Maximum glazed area: 0.27 m²

Beading: Flush glazed

Quantity: 1 vision panel permitted per leaf

Door grilles

Type: Kilargo IFD-D-450/450

Report references: PF21004

Available size: 450 mm × 450 mm

Quantity: 1 grille permitted per leaf

Doorsets with door grilles cannot be certified as smoke control doorsets.

Technical compliance statement

This doorset complies with NZS 4520:2010 when correctly installed into a compliant fire-resistant wall type in accordance with K2 Doors installation instructions and fitted with approved hardware for this product.

This doorset has been tested to AS 1530.4:2014 as referenced in NZS 4520:2010.

This door has not been tested for water ingress in exterior installations. K2 Doors makes no statement as to its suitability under NZBC E2 External Moisture.

This document supersedes previous revisions. Prior versions must not be used, referenced or distributed and should be deleted or destroyed to avoid confusion or inconsistency.