

FORZA DOORS FEATURE GROOVES FD30 & FD60

01/07/2024

FD30 – Option 1 standard cores

44mm - FCH, FCS, FCE & 54mm - FCH, FCS, FCE, FCMII door leaves may have grooves rebated into hardwood timber inserts set flush with the face of the leaf.

Grooves may be cut into the hardwood insert with maximum permitted dimensions of:
10mm wide x 4mm deep.

Timber hardwood minimum density 640kg/m³, insert size minimum dimensions of:
22mm wide x 6mm thick.

Maximum quantity of grooves:
6No. vertical - (8No. with increased spacing to 100mm)
6No. horizontal

Grooves may intersect one another, and grooves may interface with horizontal/vertical edges of the glazed aperture.

Vertical grooves must be located a minimum **50mm apart** (or 100mm when more than 6 are used) and **50mm parallel to edge of apertures.**

Horizontal grooves must be located a minimum **400mm apart** and **100mm parallel to edge of apertures.**

Minimum distance to leaf edge:

– vertical grooves:

Top may run the full height of the leaf.

Sides 100mm.

Bottom may run the full height of the leaf.

– horizontal grooves:

Top 200mm.

Sides may run the full width of the leaf.

Bottom 200mm.

Grooves may run behind the escutcheon of locks/latches and mortice locks.

Grooves are **not** permitted to be used with concealed hardware such as hinges, closers, or cableways/loops.

Any permitted shape of groove may be incorporated into the hardwood insert subject to compliance with the permitted rebate width and depth.

Alternative materials are permitted to be fitted within the groove in the hardwood insert.

Any additional materials shall be selected and incorporated such that they do not unbalance the door leaf in ambient conditions.

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FD30 – Option 2 bonded up cores

54mm bonded cores - FCH, FCS, FCE, FCMII door leaves may have grooves rebated into hardwood timber inserts set flush with the face of the leaf or direct into the face of the leaf.

Grooves may be cut into the hardwood insert with maximum permitted dimensions of:

No limit wide x 5mm deep.

Timber insets are optional, timber insert material Softwood or Hardwood (min density 450kg/m3).

Maximum quantity of grooves:

No limit vertical

No limit horizontal

Grooves may intersect one another, and grooves may interface with horizontal/vertical edges of the glazed aperture.

Vertical grooves must be located a minimum of **75mm parallel to edge of apertures.**

Horizontal grooves must be located a minimum of **100mm parallel to edge of apertures.**

Minimum distance to leaf edge:

– vertical grooves:

Top may run the full height of the leaf.

Sides 100mm.

Bottom may run the full height of the leaf.

– horizontal grooves:

Top 100mm.

Sides may run the full width of the leaf.

Bottom 100mm.

Grooves may run behind the escutcheon of locks/latches and mortice locks.

Grooves are permitted to be used with concealed hardware such as hinges, closers, or cableways/loops.

Any permitted shape of groove may be incorporated subject to compliance with the permitted rebate width and depth.

Alternative materials are permitted to be fitted within the groove in the timber insert.

Any additional materials shall be selected and incorporated such that they do not unbalance the door leaf in ambient conditions.

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FD60 – Option 1 bonded up cores

64mm bond cores - FCH, FCS door leaves may have grooves rebated into hardwood timber inserts set flush with the face of the leaf.

Grooves may be cut into the hardwood insert with maximum permitted dimensions of:
No limit wide x 5mm deep.

Timber inserts are optional, timber insert material Softwood or Hardwood (min density 450kg/m³).

Maximum quantity of grooves:

No limit vertical

No limit horizontal

Grooves may intersect one another, and grooves may interface with horizontal/vertical edges of the glazed aperture.

Vertical grooves must be located a minimum of **75mm parallel to edge of apertures**.

Horizontal grooves must be located a minimum of **100mm parallel to edge of apertures**.

Minimum distance to leaf edge:

– vertical grooves:

Top may run the full height of the leaf.

Sides 100mm.

Bottom may run the full height of the leaf.

– horizontal grooves:

Top 100mm.

Sides may run the full width of the leaf.

Bottom 100mm.

Grooves may run behind the escutcheon of locks/latches and mortice locks.

Grooves are permitted to be used with concealed hardware such as hinges, closers, or cableways/loops.

Any permitted shape of groove may be incorporated subject to compliance with the permitted rebate width and depth.

Alternative materials are permitted to be fitted within the groove in the timber insert.

Any additional materials shall be selected and incorporated such that they do not unbalance the door leaf in ambient conditions.