



Superior Doors

Steel Reinforced Doors by Superior Doors

Although Superior Doors manufactures doors to the highest possible standards, we have recently raised the bar again. Superior Doors has taken its already very successful steel insert doors and has introduced stronger and more accurate steel reinforcing. These new steel stiffeners are precision manufactured exclusively for Superior Doors. They will keep the doors straighter and have proven to offer the very best stability solution available on the market today.

These redeveloped doors with steel stiffeners are designed to withstand the most trying of environmental conditions and still remain straight and true. Classic examples of these types of stresses are where unequal moisture or temperatures are present on either side of the door, for instance, ensuites, bathrooms, laundries and in between hallways and garages.

If the cavity slider is in a more extreme circumstance than standard type situations above, it is prudent to up spec the amount of steel stiffeners in the steel reinforced door. Under spec'd steel reinforced doors in extreme situations may not be warranted.

Superior Doors has been manufacturing the steel reinforced doors for over 3 years with a 100% success rate. And now we have made them even better. All doors manufactured with steel inserts are manufactured using the following.

- 38.1mm x 30mm x 1.6mm Rectangular Hollow Section (RHS) precision machined steel, positioned 160mm from the edge of the door;
- 30mm x 30mm Pine rails and stiles;
- 4mm pre primed MDF skins, for a 38mm finished thickness;
- Superior Doors High Density Solid EPS Polystyrene Core.

Superior Doors, in normal circumstances, recommends the following for selecting the amount of steel inserts for your cavity slider doors:

	1980 high	1981-2199 high	2200-2400 high	2401-2700 high	2701-3100 high
410-809 Wide	Steel X 1	Steel X 1	Steel X 1 or 2	Steel X 2	Custom Specs
810-910 Wide	Steel X 1 or 2	Steel X 2	Steel X 2	Steel X 2	Custom Specs
911-1200 Wide	Steel X 2	Steel X 2	Steel X 2	Steel X 2	Custom Specs
1201-1700 Wide	Steel X 4	Steel X 4	Steel X 4	Steel X 4	Custom Specs
1701-2400 Wide	Custom Specs	Custom Specs	Custom Specs	Custom Specs	Custom Specs

It is part of the Superior Doors warranty conditions that any doors going into cavity sliders must have steel inserts. Any doors without steel inserts that are used in cavity sliders will not be warranted. A standard door is designed to have hinges down one edge holding it straight. Without the support of hinges, the timber in the door will move with its environment and is very likely to bow and scrape on the cavity pocket.