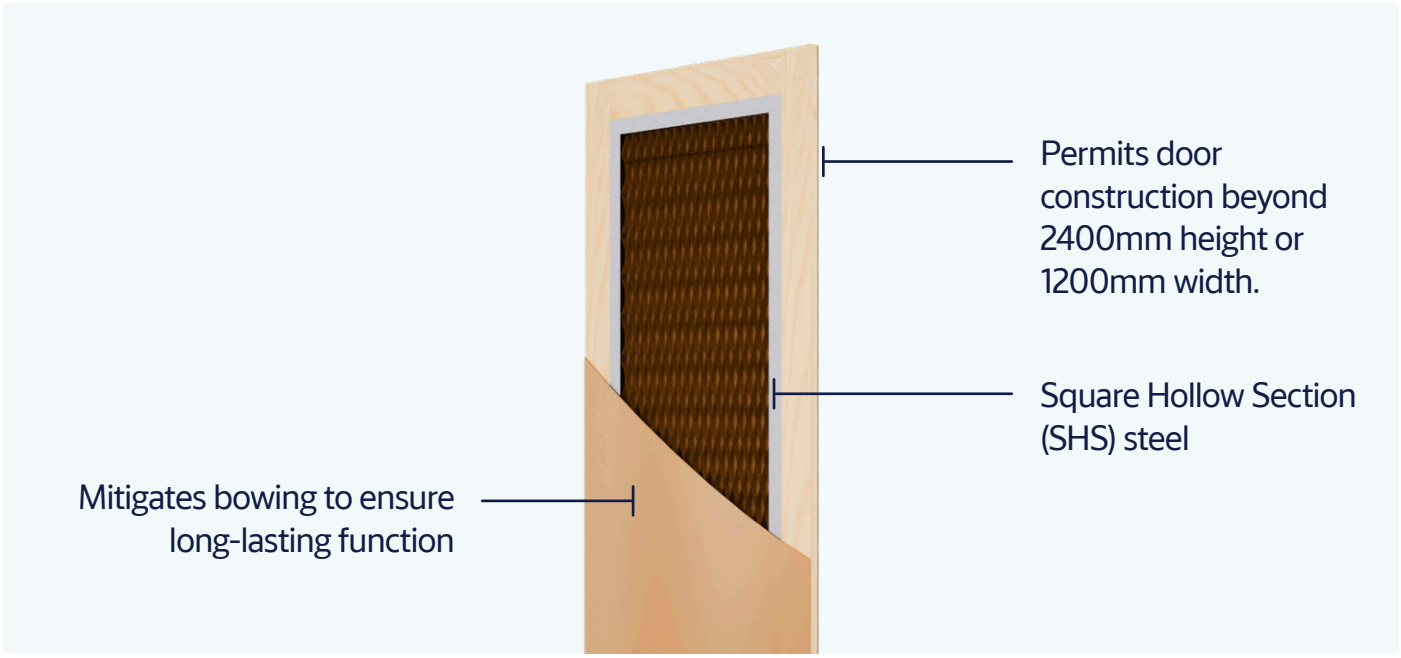
Steel Reinforcement for Oversized Doors



Details

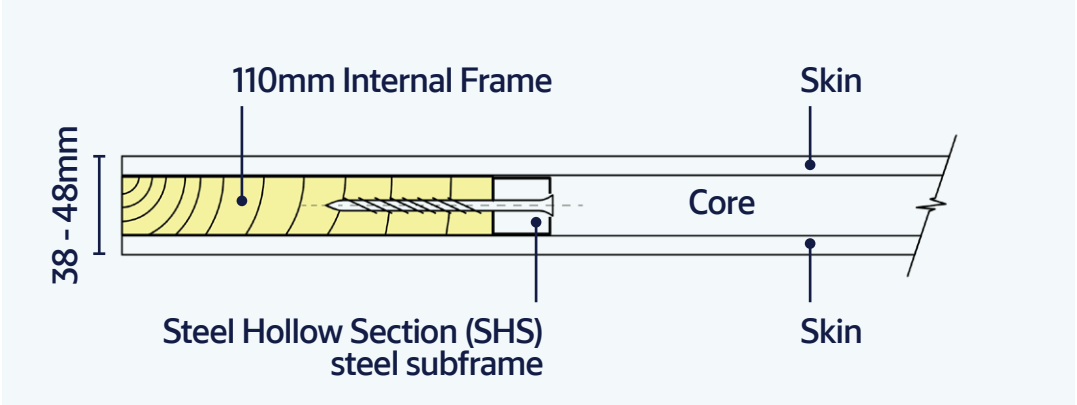
Material:
Steel

Thickness:
Typically applied to 38mm or 43mm thick doors.

Compatible Skin:
All standard skins (MDF, Ply, & Tempered Hardboard).
>6mm skins thickness required to eliminate frame show-through.

Fire-Rated Compatible:
No

Installation



Sizing

The Square Hollow Section steel reinforcement is **25 x 25 x 2 or 30 x 30 x 2** depedenent on door leaf size.
Spence Doors recommends SHS fitting for doors:
>2400mm height and >1200mm width.

Doors beyond these dimensions require steel reinforcement to be covered under Spence Doors' warranty policy. This is in line with the minimisation of maintenance / replacement risks & ensurance that door leaf will remain compliant to Australian Standards.

SHS, Not Z-Frame

Many manufacturers reinforce doors with Z-Frame steel (right) as opposed to Square Hollow Section steel (left) as a means of minimising material cost. The square method offers greater structural reinforcement as its shape offers greater structural rigidity.





Variants

Tall + Semi-Solid

> 2400mm height with semi-solid internals. SHS is fixed to inner side of internal frame.



Tall + Solid Core

> 2400mm height with any of available solid cores. SHS is fixed to inner side of internal frame.



Wide + Semi-Solid

> 1200mm width with semi-solid internals. SHS fixed to inner side of internal frame & down leaf's centre.



Wide + Solid Core

> 1200mm width with any of available solid cores. SHS fixed to inner side of internal frame & down leaf's centre.

