

IntRwall®

Separating Walls for Class 2 Buildings

USG BORAL 



USG Boral IntRwall® offers a lightweight alternative to concrete and masonry construction and provides a number of options for separating walls between single occupancy units.

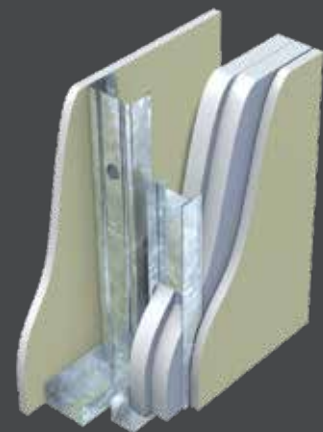
The system is ideal for high-density multi-residential construction due to its excellent acoustic performance and flexibility. IntRwall® has been tested to achieved acoustic ratings up to $R_w + C_{tr} = 56\text{dB}$ and Fire Resistance Levels up to $-/120/90$.

IntRwall® comprises a range of non-load bearing steel framed plasterboard wall systems satisfying fire rating and acoustic requirements of the BCA for Class 2 buildings.

The unique foundation of the system is two layers of 25mm thick Shaftliner™ plasterboard, nestled between 51mm steel I-studs. Plasterboard face linings are fixed directly to I-studs or installed on furring channels or free-standing steel studs thus making the system easily adaptable to suit the needs of individual projects.





Features & Benefits

- Panelised system with lightweight components not requiring heavy lifting
- All components can be installed by the plastering contractor
- Services can be easily incorporated in the wall cavities
- Acoustic ratings up to $R_w + C_{tr} = 56\text{dB}$
- Fire ratings up to FRL $-/120/120$,



IntRwall® Systems.

Provided below are some examples of IntRwall® systems. For full range of IntRwall® systems and installation details refer to IntRwall® brochure.

Assembly	FRL	System Reference
	FRL - /60/60	50IW13S13 <ul style="list-style-type: none"> - 2x25mm Shaffliner™ panels - 1x13mm Regular plasterboard to one side - 1x13mm Regular plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 20mm gap between I studs C studs) *Increase FRL with IBS rod in deflection head track
	FRL - /90/90	50IW13FS13F <ul style="list-style-type: none"> - 2x25mm Shaffliner™ panels - 1x13mm Firestop® plasterboard to one side - 1x13mm Firestop® plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 20mm gap between I studs C studs) *Increase FRL with IBS rod in deflection head track
	FRL - /60/60	50IWF13S13 <ul style="list-style-type: none"> - 2x25mm Shaffliner™ panels - 1x13mm Regular plasterboard to one side on 28mm furring channel - 1x13mm Regular plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 20mm gap between I studs C studs) *Increase FRL with IBS rod in deflection head track
	FRL - /90/90	50IWF13FS13F <ul style="list-style-type: none"> - 2x25mm Shaffliner™ panels - 1x13mm Firestop® plasterboard to one side on 28mm furring channel - 1x13mm Firestop® plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 20mm gap between I studs C studs) *Increase FRL with IBS rod in deflection head track
	FRL - /60/60	25IWS13S13 <ul style="list-style-type: none"> - 1x25mm Shaffliner™ panels - 1x13mm Regular plasterboard to one side on separate steel stud frame - 1x13mm Regular plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 46mm gap between I studs C studs)
	FRL - /90/90	50IWS13S13 <ul style="list-style-type: none"> - 2x25mm Shaffliner™ panels - 1x13mm Regular plasterboard to one side on separate steel stud frame - 1x13mm Regular plasterboard to other side on separate steel stud frame - I studs @ 600mm ctrs max - C studs @ 600mm ctrs max - engineer to design (min 20mm gap between I studs C studs)

Note: Refer IntRwall® brochure for wall width and cavity insulation requirements needed to achieve required acoustic ratings