



# Internal partition walls.

# Superglass Acoustic Insulation.

## Achieving optimum comfort between internal rooms.

Internal partition walls are those that separate rooms within a building. Superglass acoustic insulation significantly reduces the passage of sound, enhancing both comfort and privacy. Furthermore, the flexible nature of the rolls and slabs allows for precise installation between studs and in a wide variety of partition types.



### Superglass acoustic insulation for internal walls

**Multi Purpose Acoustic Slab** is a lightweight, non-combustible glass mineral wool insulation slab. The slab is manufactured to allow easy installation between common stud spacings, and minimum on-site cutting and waste.

Superglass Products	Nominal density
Multi Purpose Acoustic Slab	20kg/m <sup>3</sup>



**Multi Acoustic Roll** is a lightweight, non-combustible glass mineral wool insulation roll. The flexible roll is perforated at 2x600mm and 3x400mm widths to allow easy installation.

Superglass Products	Minimum density
Multi Acoustic Roll	10kg/m <sup>3</sup>



**Acoustic Partition Roll (APR)** is a lightweight, non-combustible glass mineral wool insulation roll. The flexible roll is manufactured to allow easy installation between common stud spacings, and minimum on-site cutting and waste.

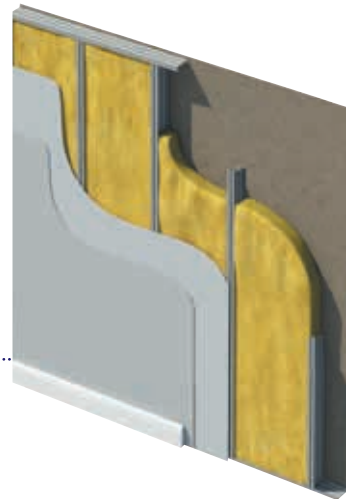
Superglass Products	Nominal density
25mm APR	20kg/m <sup>3</sup>
50mm APR	16kg/m <sup>3</sup>



# Acoustic performance achieved in internal partitions using typical construction methods.

Superglass acoustic insulation helps to deliver superior levels of sound performance for the comfort of a building's occupants. Our tested solutions for metal and timber stud partitions can assist in meeting the requirements of current Building Regulations.

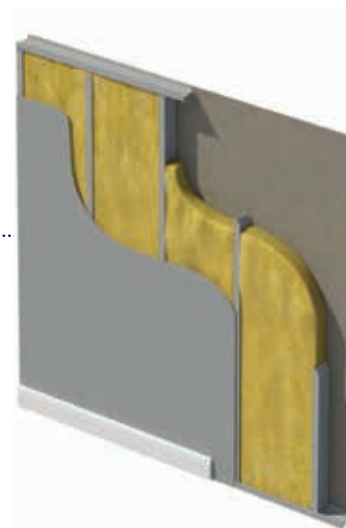
## Metal C Stud Partitions (Double layer plasterboard)



Up to  
**50dB**  
(Rw)

Stud Type	Stud Spacing	Plasterboard	Superglass Insulation	Insulation Thickness	Sound Reduction	Test Report Number
48mm Metal C Stud	600mm	2 x 12.5mm Standard	Acoustic Partition Roll (APR)	25mm	47 dB (Rw)	BTC 18741A
70mm Metal C Stud	600mm	2 x 12.5mm Standard	Acoustic Partition Roll (APR)	25mm	49 dB (Rw)	BTC 18760A
70mm Metal C Stud	600mm	2 x 12.5mm Standard	Acoustic Partition Roll (APR)	50mm	50 dB (Rw)	BTC 18761A

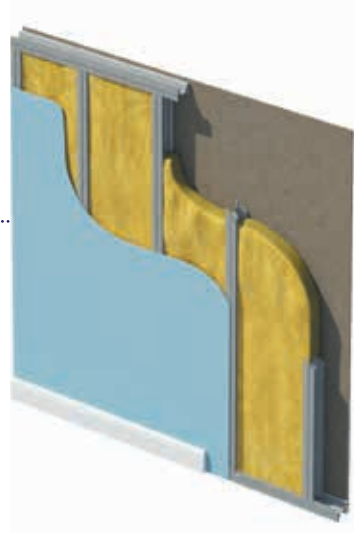
## Metal C Stud Partitions (Single layer plasterboard)



Up to  
**44dB**  
(Rw)

Stud Type	Stud Spacing	Plasterboard	Superglass Insulation	Insulation Thickness	Sound Reduction	Test Report Number
48mm Metal C Stud	600mm	12.5mm Standard	Acoustic Partition Roll (APR)	25mm	40 dB (Rw)	BTC 18741A
48mm Metal C Stud	600mm	12.5mm Standard	Acoustic Partition Roll (APR)	50mm	42 dB (Rw)	BTC 18757A
48mm Metal C Stud	600mm	12.5mm Standard	Multi Purpose Acoustic Slab	50mm	43 dB (Rw)	BTC 18758A
70mm Metal C Stud	600mm	12.5mm Standard	Acoustic Partition Roll (APR)	25mm	42 dB (Rw)	BTC 18760A
70mm Metal C Stud	600mm	12.5mm Standard	Acoustic Partition Roll (APR)	50mm	44 dB (Rw)	BTC 18761A

## GypWall RAPID dB Plus Partitions



**42dB**  
(Rw)

Stud Type	Stud Spacing	Plasterboard	Superglass Insulation	Insulation Thickness	Sound Reduction	Test Report Number
43mm AcouStud RAPID	450mm	15mm BG SoundBloc RAPID	Acoustic Partition Roll (APR)	25mm	42 dB (Rw)	BTC 18759A

## Timber Stud Partitions



**40dB**  
(Rw)

Stud Type	Stud Spacing	Plasterboard	Superglass Insulation	Insulation Thickness	Sound Reduction	Test Report Number
89mm x 38mm Timber	600mm	15mm Standard	Multi Acoustic Roll	80mm	40 dB (Rw)	BTC 17062A

Please note: A copy of the test reports can be obtained from the Superglass Technical Department, email: [technical@superglass.co.uk](mailto:technical@superglass.co.uk)