Soundproofing Masonry Walls

PhoneStar

Acoustic Insulation

Improvement Expected when Upgrading Brick or Block Walls (Bare or Plastered) with PhoneStar


Direct Application on New or Existing Wall

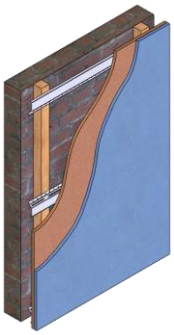
+ 6 to 8 dB Expected Improvement
(27.5 - 30mm Thickness)

- Masonry Wall (Bare or Plastered)
- **15mm PhoneStar Acoustic Insulation**
- 12.5 or 15mm Acoustic Plasterboard


Decoupled System with Resilient Bars

+ 10 to 13 dB Expected Improvement
(43.5 – 46mm Thickness)

- Masonry Wall (Bare or Plastered)
- 16mm Resilient Bar (RB1)
- **15mm PhoneStar Acoustic Insulation**
- 12.5 or 15mm Acoustic Plasterboard




Decoupled System with Studs and Resilient Bars

+ 13 to 16 dB Expected Improvement
(67.5 - 70mm Thickness)

- Masonry Wall (Bare or Plastered)
- 24mm x 48mm (DxW) Studs
- 16mm Resilient Bar (RB1)
- **15mm PhoneStar Acoustic Insulation**
- 12.5 or 15mm Acoustic Plasterboard

Optional Improvements: (+ 1 to 2 dB Further Improvement)
- 25mm x 45kg/m^3 dense mineral wool between studs
- 48mm x 48mm studs with 50mm x 45kg/m^3 dense mineral wool between studs

Independent Metal or Timber Stud System

+ 20 to 24 dB Expected Improvement
(87.5 mm Thickness min.)

- Masonry Wall (Bare or Plastered)
- 10mm Air Gap minimum
- 50-75mm deep Metal or Timber Studs with 45kg/m3 dense mineral wool between studs
- **15mm PhoneStar Acoustic Insulation**
- 12.5 or 15mm Acoustic Plasterboard

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