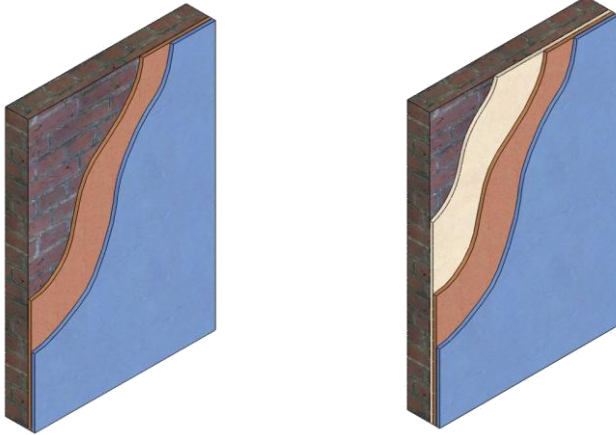




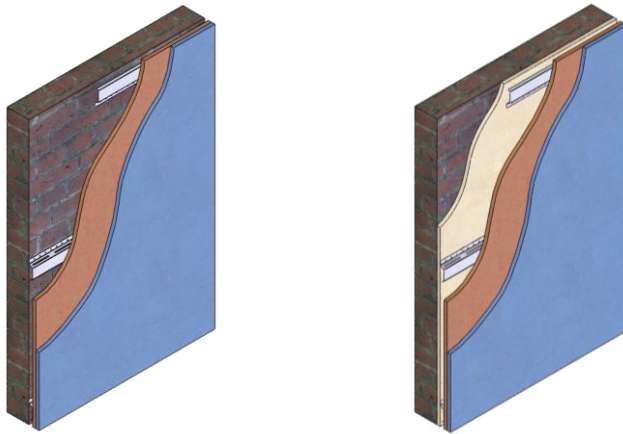
## Improvement Expected when Upgrading Solid Brick or Solid Block Walls (Bare or Plastered) with PhoneStar (previously branded as Phonewell)



### Direct Application on New or Existing Wall

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

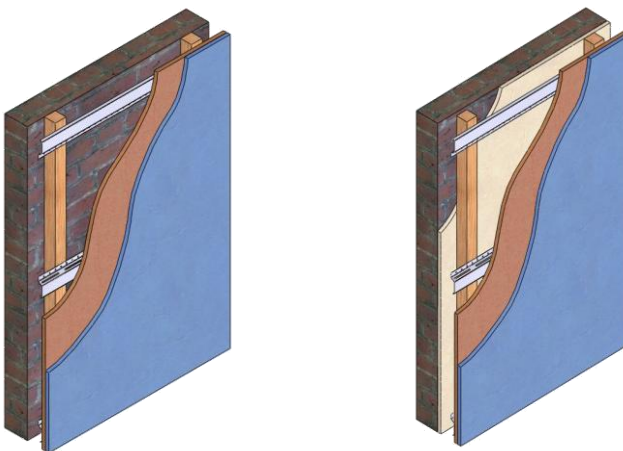
- Solid Wall (Bare or Plastered)
- 15mm PhoneStar
- 12.5 or 15mm Acoustic Plasterboard



### Decoupled System with Resilient Bars

+ 10 to 12 dB  
Expected Improvement  
(43.5 - 46mm Thickness)

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



### Decoupled System with Studs and Resilient Bars

+ 12 to 14 dB  
Expected Improvement  
(67.5 - 70mm Thickness)

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

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