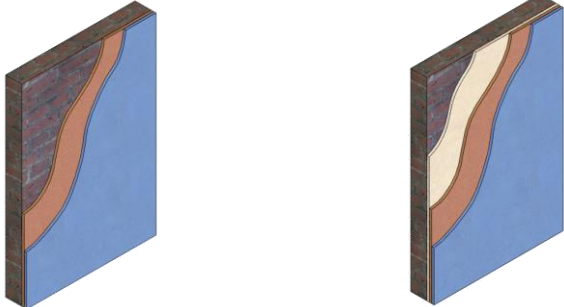
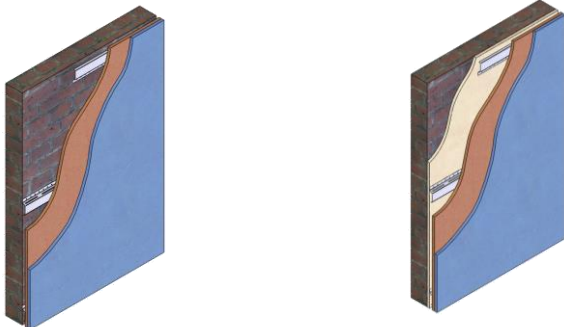
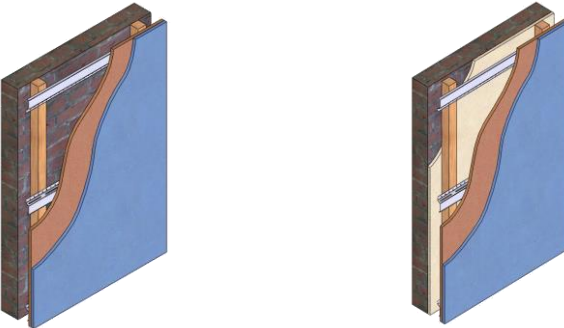





## Improvement Expected when Upgrading Brick or Block Walls (Bare or Plastered) with PhoneStar

	<p><u>Direct Application on New or Existing Wall</u></p> <p><b>+ 6 to 8 dB Expected Improvement (27.5 - 30mm Thickness)</b></p> <ul style="list-style-type: none"><li>- Masonry Wall (Bare or Plastered)</li><li>- <b>15mm PhoneStar Acoustic Insulation</b></li><li>- 12.5 or 15mm Acoustic Plasterboard</li></ul>
	<p><u>Decoupled System with Resilient Bars</u></p> <p><b>+ 10 to 13 dB Expected Improvement (43.5 - 46mm Thickness)</b></p> <ul style="list-style-type: none"><li>- Masonry Wall (Bare or Plastered)</li><li>- 16mm Resilient Bar (RB1)</li><li>- <b>15mm PhoneStar Acoustic Insulation</b></li><li>- 12.5 or 15mm Acoustic Plasterboard</li></ul>
	<p><u>Decoupled System with Studs and Resilient Bars</u></p> <p><b>+ 13 to 16 dB Expected Improvement (67.5 - 70mm Thickness)</b></p> <ul style="list-style-type: none"><li>- Masonry Wall (Bare or Plastered)</li><li>- 24mm x 48mm (DxW) Studs</li><li>- 16mm Resilient Bar (RB1)</li><li>- <b>15mm PhoneStar Acoustic Insulation</b></li><li>- 12.5 or 15mm Acoustic Plasterboard</li></ul> <p><u>Optional Improvements: (+ 1 to 2 dB Further Improvement)</u></p> <ul style="list-style-type: none"><li>- 25mm x 45kg/m<sup>3</sup> dense mineral wool between studs</li><li>- 48mm x 48mm studs with 50mm x 45kg/m<sup>3</sup> dense mineral wool between studs</li></ul>
	<p><u>Independent Metal or Timber Stud System</u></p> <p><b>+ 20 to 24 dB Expected Improvement (87.5 mm Thickness min.)</b></p> <ul style="list-style-type: none"><li>- Masonry Wall (Bare or Plastered)</li><li>- 10mm Air Gap minimum</li><li>- 50-75mm deep Metal or Timber Studs with 45kg/m<sup>3</sup> dense mineral wool between studs</li><li>- <b>15mm PhoneStar Acoustic Insulation</b></li><li>- 12.5 or 15mm Acoustic Plasterboard</li></ul>