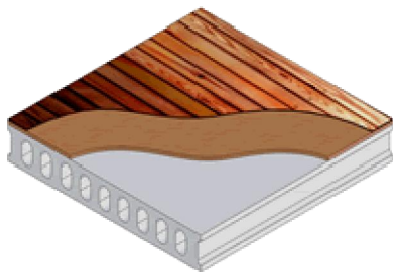


Results Achieved by Using PhoneStar on Concrete Floors (previously branded as Phonewell)

DIRECT TO CONCRETE FLOOR



Results from Institute Structural Physics (IBP), Germany

Impact Sound of Concrete Floor without any plasterboard on ceiling -

Before PhoneStar was added: $L_{n,0,w} = 77$ dB

After PhoneStar was added: $L_{n,w} = 56$ dB

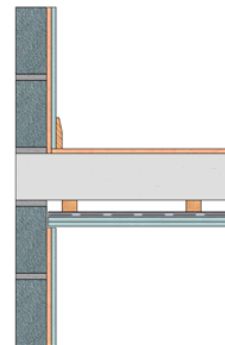
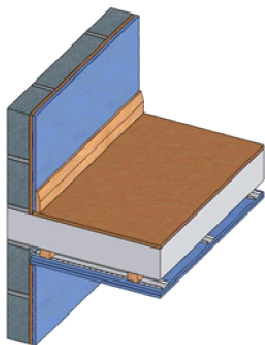
Impact Sound Difference made by PhoneStar: $\Delta L_w = 21$ dB

Recommended Construction From Top Down:

- Floor Covering of Choice
- **15mm PhoneStar Acoustic Insulation**
- Concrete Floor
- Ceiling below to be Finished

DIRECT TO CONCRETE FLOOR WITH DECOUPLED CEILING BELOW

For considerable added improvement for both Airborne and Impact Sound Reduction, upgrade the ceiling below by decoupling it with battens and resilient bars as shown.



Recommended Construction From Top Down:

- Floor Covering of Choice
- **15mm PhoneStar Acoustic Insulation**
- Concrete Floor / Ceiling With or Without Existing Plaster
- Timber Battens with/without Mineral Wool between Battens
- 16mm Resilient Bars
- 12.5 / 15mm Acoustic Plasterboard

PhoneStar also very significantly reduces Airborne Sound.
The product on its own is rated at 36dB ($R_w, -4C_{tr}$) before including the concrete floor.