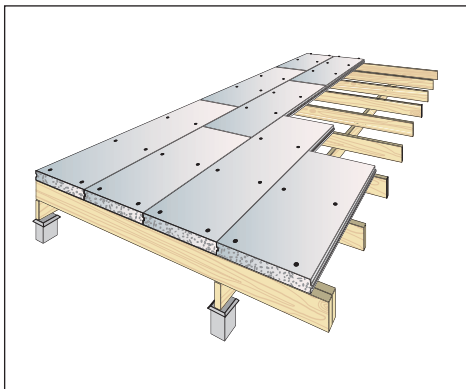
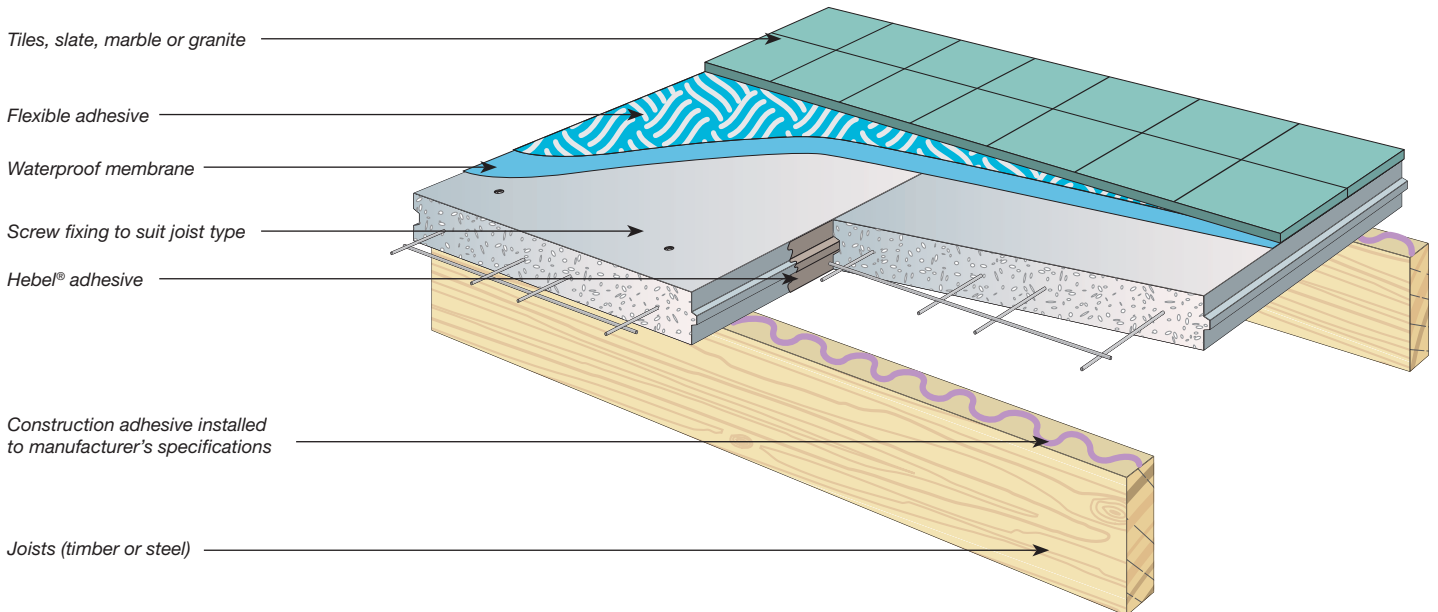


# Building solid floors with Hebel PowerFloor



PowerFloor System	
Fire	Up to 240 minutes from above, up to 90 minutes from below (with CSR Gyprock ceiling or equivalent)
Acoustic - no ceiling system	STC 33 to 37, IIC 13 to 66 $R_w + C_{tr}$ 30 to 33, $L_{nw} + C_1$ 83 to 45
- with ceiling system	STC 54 to 62, IIC 28 to 75 $R_w + C_{tr}$ 48 to 54, $L_{nw} + C_1$ 70 to 32
Thermal	R0.52 to R3.02

## Superior noise reduction between floors

PowerFloor is a highly versatile solid platform flooring system that gives you the feel of a concrete floor at a significantly lower cost. Installed over conventional joists, the system of 75mm thick tongue and groove PowerFloor panels fit snugly together to form a strong, smooth floor.

PowerFloor is simple and fast to install with less mess than pouring concrete and has a superior solid feel compared to particleboard and timber flooring. It is easily installed by on-site trades, such as carpenters, so there are no delays to the building schedule.

### The unique benefits of constructing your floor with Hebel PowerFloor

- Solid masonry flooring system that is installed like conventional particleboard over conventional joists
- Solid feel, eliminating the bounce and flex of timber sheet flooring
- Superior thermal performance – particularly for suspended floors on sloping sites
- Extremely strong, each panel is reinforced with corrosion-protected steel mesh
- Not affected by weather during installation
- Hebel PowerFloor can be easily installed by normal on-site tradesmen such as carpenters
- Reduces foot-fall, airborne noise between floors and eliminates squeaking associated with particle board floors

# PowerFloor

## The feel of a solid concrete floor without the cost



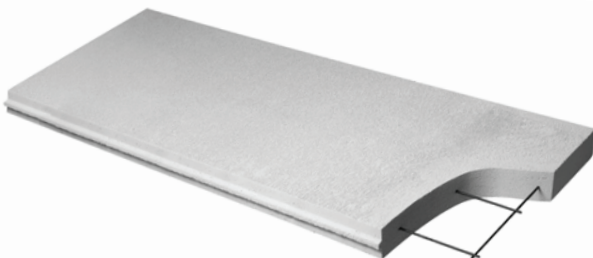
### The ideal choice

The combination of solid strength, thermal performance and acoustic insulation properties make PowerFloor an ideal choice for first floor and suspended ground floors, as well as decks and balconies.

Hebel PowerFloor is the creak free solid alternative to particle board, reducing sound transmission between floors and eliminates the squeaking, bouncing and noise often associated with timber flooring substrates.

The thermal efficiency of PowerFloor helps reduce the reliance on heating and cooling appliances so you will enjoy a comfortable home all year round with potentially lower energy costs.

PowerFloor provides an excellent solid base for ceramic tiles, carpet, floating floors or polished timber boards.



Hebel panels contain anti-corrosion protected steel reinforcement for maximum strength and durability, and are available in a range of sizes.

For sales enquiries or further information, please telephone us on:  
**0800 4 HEBEL (0800 443 235)**  
[www.hebel.co.nz](http://www.hebel.co.nz)



#### QUALITY AND SPEED

PowerFloor is simple and fast to install with less mess than concrete and less wastage than particleboard and timber flooring. It is easily installed by on-site trades, such as carpenters, so there are no delays to the building schedule.



#### STRONG AND SOLID

Hebel 75mm steel reinforced PowerFloor panels are strong and provide a solid feel, security and peace-of mind.



#### NOISE REDUCTION

Hebel provides significantly reduced sound transmission between rooms and in noise penetration from external sources and foot traffic. Advances in entertainment technology (ie: home theatres) and requirements by homeowners for enhanced privacy in their day-to-day living make Hebel the ideal building material for modern homes.



#### ENERGY EFFICIENT

Hebel's unique properties provide superior insulation qualities. The unique combination of thermal resistance along with low mass, make building with Hebel a smart choice when considering building efficiency. It can help save on energy costs.



#### FIRE RESISTANT

Hebel is non-combustible and renowned for its highly fire resistant properties achieving fire resistance ratings of up to 240 minutes.



#### ECO-FRIENDLY

Independent testing shows that overall, Hebel has a 30% lower environmental impact than concrete or brick veneer. Hebel panels use 60% less embodied energy and produces 55% less greenhouse emissions compared to concrete or brick veneer, making it a more sustainable, environmentally friendly choice of building material.



#### PROVEN

CSR Hebel is the only manufacturer of AAC in Australia. With over 25 years of experience in developing, testing and producing AAC you can be assured you're getting high quality products and systems and unmatched technical expertise with Hebel.



**hebel**<sup>®</sup>

The better way to build

