



OVERVIEW

HardieFloor® Flooring (19mm) + HardieQStrip®

Direct over Concrete Floor Slab



PERFORMANCE ATTRIBUTES

ACOUSTIC AIRBORNE
($R_w + C_{tr}$)
(Higher the Better)

ACOUSTIC IMPACT
($r_d \Delta L_w$)
(Higher the Better)

*
(see note below)

25 dB

Floor Decking HardieFloor® Flooring.
(Size: 19 x 500 x 2400mm)

Floor Structure 150 mm Thick Concrete Floor Slab

Acoustic Batten HardieQStrip®

HardieFloor dB® Flooring + HardieQStrip®

Direct over Concrete Floor Slab



PERFORMANCE ATTRIBUTES

ACOUSTIC AIRBORNE
($R_w + C_{tr}$)
(Higher the Better)

ACOUSTIC IMPACT
($r_d \Delta L_w$)
(Higher the Better)

*
(see note below)

26 dB

Floor Decking HardieFloor dB® Flooring.
(Size: 27 x 500 x 2400mm)

Floor Structure 150 mm Thick Concrete Floor Slab

Acoustic Batten HardieQStrip®

* Note: In most cases the mass of a concrete floor will exceed the required R_w airborne acoustic values, eliminating the need for additional airborne sound reduction requirements. However the impact sound performance of floating floors over concrete, must achieve a minimum impact improvement of $r_d \Delta L_w = 17$ dB

The acoustic performance of the floor structure will be adversely affected should acoustic bridging between HardieFloor and the surrounding structure occur (known as flanking transmission).

All floor finishes must be isolated from the surrounding walls (including plaster finish and skirting boards), door linings, services and other structural elements. To address flanking risk, each potential problem area needs to be detailed accordingly.