

## Description

DryPanel 18 is a T&G profile, reinforced cement fibre board, reinforced by natural minerals on both sides. These dry-fit screed replacement panels at only 18mm thick offer minimal floor height and save on drying times when compared to traditional screeds. The DryPanel is exceptionally unique as it offers an outstanding thermal conductivity value 0.216 W/mK when used in conjunction with underfloor heating systems. DryPanel's high density provides excellent airborne sound performance through many types of separating floors. It is a high performing multipurpose building board that's designed purposely to provide fireproof, acoustic and waterproof protection, with very high dimensional stability which makes it a high performance alternative to Gypsum and Cement Particle for any construction type.



DryPanel 18

DryPanel 18 is a Cement Fibre Board with a high density of 1350 kg/m<sup>3</sup>. Resistant to moisture and water.

## Advantages:

- Saves on drying times to that of traditional screeds.
- Resistant to damp, moisture and water.
- Offers excellent airborne sound performance.
- Can be laid directly, without a decoupling mat.
- Resistant to impact.
- Environment friendly, asbestos free.
- Insect-proof, non putrescible, no moulding.
- UV stable.
- Easy to cut and install.
- High density of 1350 Kg/m<sup>3</sup>.
- Non combustible.

## Applications:

- Can be used in conjunction with routed insulation for (UFH) Under Floor Heating applications, 0.216 W/mK
- Suited to both a timber joist and steel joisted floor.
- Can also be used as part of a build up onto a Metsec style decking

**Sitework:** Specialist cutting blades for cutting boards, use [Polucrystalline Diamond \(PCD\)](#) Fibre Cement Blades with a flat tooth configuration.

### Technical Properties

Panel Dimension	1200 x 600 mm (0.72 m <sup>2</sup> )
Modulus Of Rupture Value	>7 EN12467 (wet) >10 EN12467 (dry)
Fire Propagation	Class "0" (<2) BS 476 Part 6
Fire Resistance	Class 1 BS 476 Part 7
Combustibility	Non-Combustible BS 476
Water Impermeability	Pass

### Board Characteristics

Thicknesses	(indication of kg/m <sup>2</sup> for thicknesses) 18mm
Density	1350 kg/m <sup>3</sup> (- 50 kg)

# Typical Acoustic Performance

## Concrete Insitu Floor DnT,w + Ctr

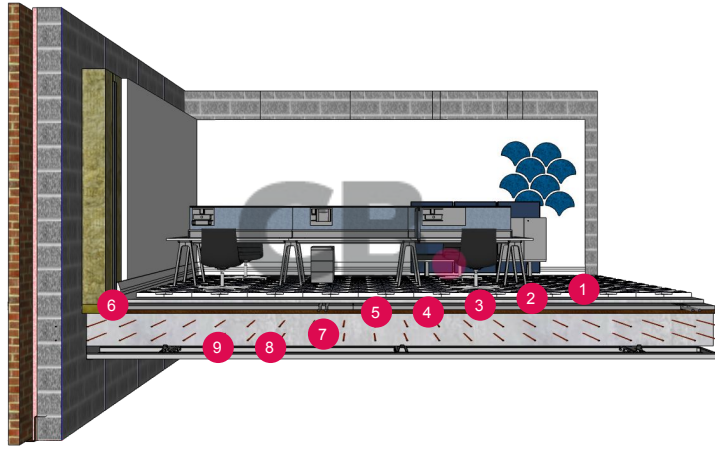
53dB

## LnT,W (with 4.5mm resilient layer)

49dB

## ΔLw (with 4.5mm resilient layer)

20dB



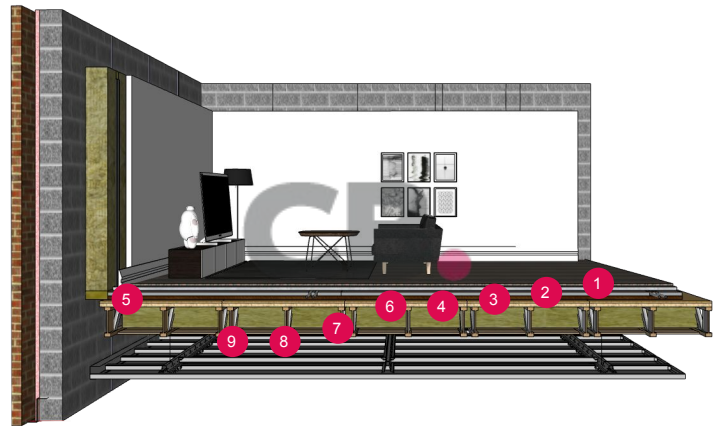
1. Ceramic Tiles
2. Electric UFH cables set in tile adhesive
3. DryPanel 18
4. Routed UFH insulation
5. 4.5mm resilient layer
6. L Shaped Flanking Strip
7. 200mm Reinforced insitu concrete slab
8. MF ceiling (min 100mm void)
9. 1 x 9.5mm acoustic plasterboard

## Timber Joist Floor DnT,w + Ctr

51dB

## LnT,W (with 4.5mm resilient layer)

58dB



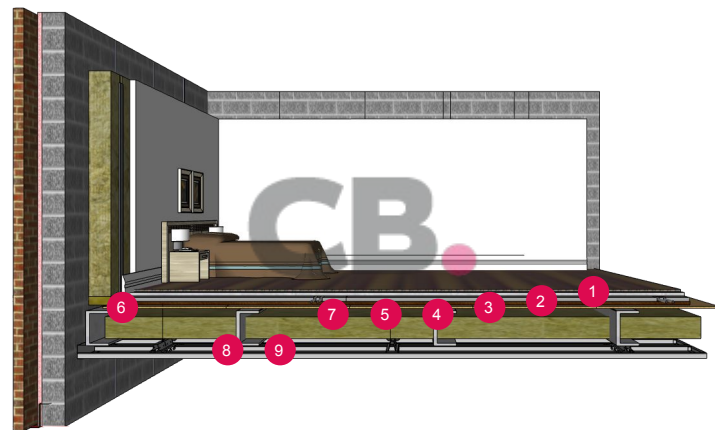
1. Carpet and Underlay
2. DryPanel 18
3. Routed UFH Insulation
4. 4.5mm resilient layer
5. L Shaped Flanking Strip
6. Chipboard Structural Deck
7. Minimum 25mm timber floor joists
8. Heavy duty resilient bars
9. 2 x 15mm acoustic plasterboard

## Steel Joist Floor DnT,w + Ctr

54dB

## LnT,W (with 4.5mm resilient layer)

57dB



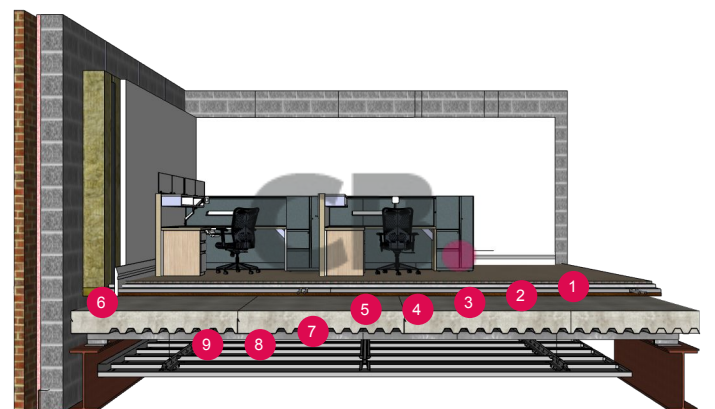
1. Sheet vinyl or LVT flooring
2. Adhesive layer (self levelling)
3. DryPanel 18
4. Routed UFH Insulation
5. 4.5mm resilient layer
6. L Shaped Flanking Strip
7. Minimum 25mm timber floor joists
8. Minimum 225mm steel floor joists
9. Heavy duty resilient bars
10. 2 x 15mm acoustic plasterboard

## Profiled Metal Decking DnT,w + Ctr

53dB

## LnT,W (with 4.5mm resilient layer)

49dB



1. Engineered wooden flooring
2. Decoupling layer or adhesive
3. DryPanel 18
4. Routed UFH insulation
5. 4.5mm resilient layer
6. L Shaped Flanking Strip
7. 130mm concrete and profiled metal deck.
8. MF ceiling (min 100mm void)
9. 1 x 9.5mm acoustic plasterboard