

HiDECK®

High Performance Dry Screed Overlay Boards

CELLECTA's range of **HiDECK®** high density floor elements are the ideal product for a multitude of flooring applications.

HiDECK® 18 increases the efficiency of an underfloor heating boards system due to its low thermal resistance and rapid heat transfer characteristics.

HiDECK® WF composite acoustic treatment will help a timber or concrete floor construction exceed the acoustic requirements of **Part E** of the Building Regulations.

Key features of **HiDECK® 18**

- Very low thermal resistance ($0.045\text{m}^2/\text{kW}$)
- High thermal conductivity ($0.40\text{W}/\text{mK}$)
- Low thermal expansion
- Only 18mm thick
- Doesn't contract or expand like chipboard when exposed to water
- High impact resistance
- Tongue & groove edge detail - no screws required
- Quick and easy to install
- Accepts ceramic tiles

Additional features of **HiDECK® WF**

- High acoustic performance⁽²⁾: Airborne 50dB (inc CTR)⁽¹⁾ & Impact 57dB⁽¹⁾
- Only 28mm thick

⁽¹⁾Typical PCT performance

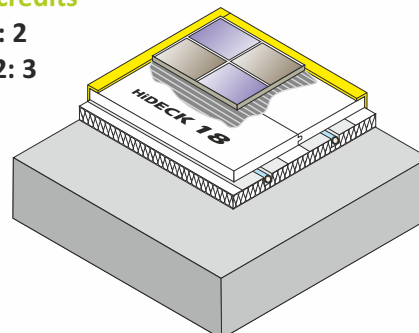
	HiDECK® 18 (Overlay board)	HiDECK® WF (Acoustic composite)
Thickness	18mm	28mm (18mm + 10 resilient layer)
Board size	600mm x 1200mm	600mm x 1200mm
Weight per board	15.55kg	16.70kg
Weight per m ²	21.60kg	23.20kg
Edge profile	Tongue & groove	Tongue & groove
Thermal resistance	$0.045\text{ m}^2/\text{kW}$	N/A

Floors with under floor heating system

CSH credits*

Pol 1: 2

Hea 2: 3



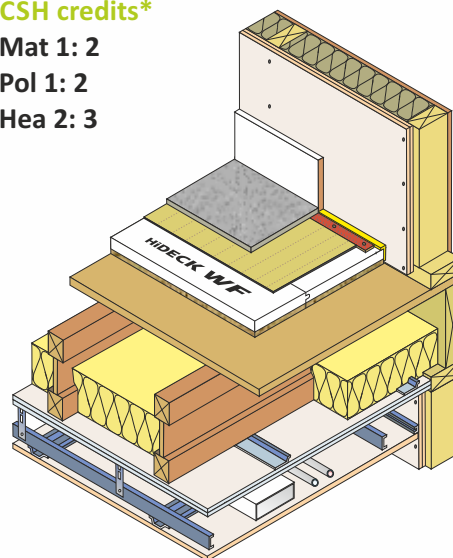
Timber floor separating floor

CSH credits*

Mat 1: 2

Pol 1: 2

Hea 2: 3

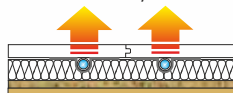


Thermal Resistance

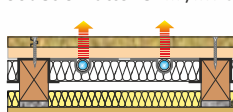
HiDECK® floor elements enable boilers, ground water heat pumps and heat recovery systems to work at maximum efficiency and deliver comfortable, controllable heat to the occupant quicker than traditional floor finishes.

Thermal and acoustic applications

HiDECK® m²/kW 0.045

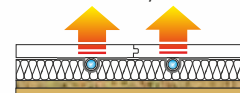


Acoustic Battens: m²/kW 0.237

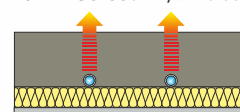


Thermal applications

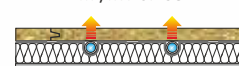
HiDECK® m²/kW 0.045



75mm Screed m²/kW 0.065



18mm Chipboard
m²/kW 0.138



CELLECTA®
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