



InfraDek: Optimized for Modern Spaces

InfraDek's innovative design offers a range of heights from 60mm to 150mm.

Why Low-Height?

- **Inbuilt Cable Management:**
Optimizes capacity for high-density multi-service cable distribution.
- **Space Efficiency:**
Minimizes lost floor area due to ramps and steps.
- **Design Flexibility:**
Enables lower slab-to-ceiling height for both new builds and retrofits.



Why Cable Management?

Unlike many floors that lack integrated cable management, InfraDek ensures:

Raised Data Cabling:

Keeps data cabling off the slab for protection of cable sheaths, better organization and accessibility.

Separation from Power:

Provides grade and distance separation from power, minimizing electromagnetic interference and signal degradation, and ensuring safety and compliance.

Bend Radius Compliance:

Ensures minimum bend radius compliance for optimal cable performance.

Why Timber Deck?

While steel and cementitious core panels are common, InfraDek's wood-composite deck offers distinct advantages:



Non-Conductive and Non-Magnetic:

Ideal for sensitive electronic environments.



Non-Toxic and Easy to Work:

Safe and user-friendly for installation and maintenance.



Fire Resistance:

Meets regulatory fire resistance requirements.



Low Embodied Energy:

Environmentally friendly with lower carbon emissions.



Carbon Sequestration:

Contributes to sustainability by providing carbon sequestration.

Product Description

Infradek is a modular low-height cable management floor that facilitates easy segregation and routing of power and communications wiring looms. The Infradek module consists of:

- **Corner Support Pads:**

Moulded from recycled FR polypropylene.

- **Deck Panel:**

Manufactured from oriented strandboard, supported at 16 locations across the panel to ensure superior load capacity, solidity, and acoustic performance. Compliant to AS/NZS loading and fire safety standards. Cementitious panels are available as an option.



Advantages

Grade-Separated Cable Runs



Power (Medium Voltage):

At lower (slab) level, with the option to run power via slab-level busbar at 3.0-4.2m separation.



Comms Looms (Low/Extra-Low Voltage):

Reticulate at upper level with a minimum separation distance between cable runs of 40mm.



Comms/Power Crossovers:

At right-angles to ensure physical and electromagnetic decoupling, preventing crosstalk.



Open cableways:

Allow direct access to both lengthways and crossways cable runs (unlike Crosstrack in which lateral cable runs lie beneath upper cable channels).

Fast and Simple Installation



400+ Square Metres Per Day:

Including fitting to edges, columns, and slab penetrations.



16 Deck Supports Per Module:

Ensure structural rigidity of deck panels, efficient use of materials, sound absorption, and lightweight modules.



Horizontal Interlocks:

Ensure automatic alignment of adjacent panels and continuous leveling of deck surface.



Easy Installation:

By non-specialist trades (e.g., carpet layers) using standard woodworking tools.



Secure Edge Fixing:

Facilitated by relocatable support pads for all circumstances including angled and curved walls, irregular slab levels at walls and edges, columns, and duct penetrations. Rotatable to minimize wastage.

Transform Your Space with InfraDek

InfraDek's raised flooring system is designed to meet the demands of modern commercial environments, offering unparalleled flexibility, efficiency, and sustainability. Whether you're planning a new build or retrofitting an existing space, InfraDek provides the smart solution you need.