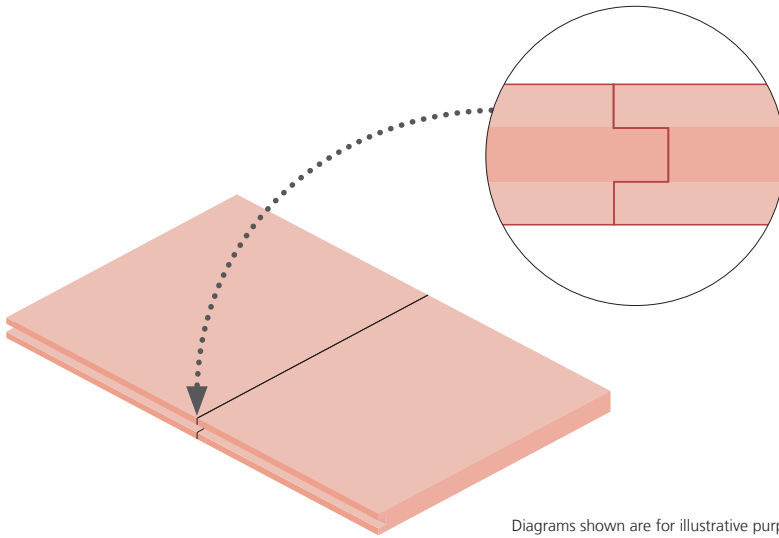


Smartspan 18

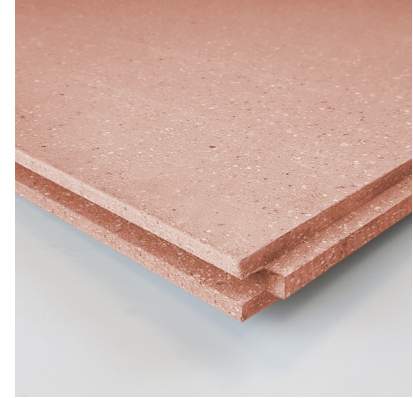
Self-supporting floor panel

Technical Data Sheet

Smartspan panels can span across bearing structures such as joists, pedestals and batten systems. Smartspan panels can be used where high loads are expected on floating floors and where brittle floor finishes are to be installed. Smartspan panels have excellent thermal conductivity making them ideal over UFH systems, suitable for all finishes including stone and ceramics. Requires Single Layer Joint Adhesive for a monolithic floor.



Diagrams shown are for illustrative purposes only



FEATURES and BENEFITS

As floating floor

- 18mm thick with Tongue & Groove profile
- High acoustic performance
- High loading capacity - Suitable for all finishes
- Low deflection underload
- Easy to install
- Can accept direct bonded ceramic finish
- Can take light traffic after 4 hours. Fully loaded after 24 hours

As spanning floor

- 18mm thick with Tongue & Groove profile
- High acoustic performance with resilient layer
- Good loading capacity - Suitable for ceramics
- Low deflection underload - Max 400mm centres*
- Easy to install
- Can accept direct bonded ceramic finish subject to thickness and module limitations

Benefits to Under Floor Heating (UFH)

- Lower running costs compared to timber-based board or wet screed when UFH feed by conventional heat source
- Efficient & future proof for UFH feed from Ground Source & Air Source systems
- Reduced installation timetable for commissioning UFH system
- High thermal conductivity = Low resistance to heat transfer

TECHNICAL DATA

Density	1500 - 1600 kg/m ³
Dimensions	1200mm x 600mm x 18mm thick
Sheet weight	19 - 21 kg
Mass per m ²	27 - 29 kg
Surface hardness acc.	Brinell ≥40 N/mm ²
Pull off bond strength	≥1.0 N/mm ²
Expansion/Shrinkage	Changing air humidity at 20°C x 30% 0.6mm/m
Surface water absorption	(EN 20535) ≤300g/m ²
Value of vapour diffusion resistance	μ30
Expansion of thickness after 24hours in water	0.5mm
Expansion/shrinkage by rise & fall temperature	0.02mm/(mk)
Conductivity of heat	0.44 AR W/(mk)
Reaction to Fire Classification	(EN 13501-1) A1
Working Load - 300x300mm centres	2.7 kN
- 400x400mm centres	2.5 kN
- 600x600mm centres	n/a

* (For loading information and product selection advice contact the CMS Danskin Acoustics Technical and Specification team - Smartspan range includes 18, 25, 28, 32 & 38mm panels and can achieve very high loading capability).