

# Smartfloor 25 TG4

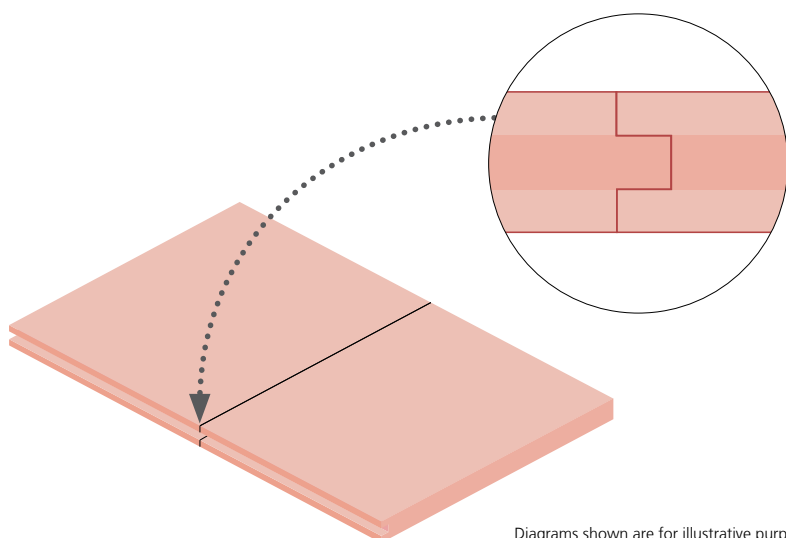
## Supported floor panel

### Technical Data Sheet

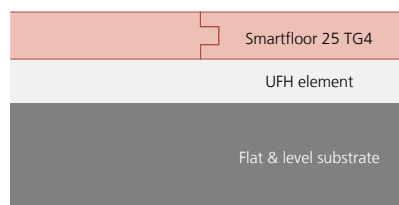
Smartfloor 25 TG4 is a medium density gypsum fibre panel engineered with Tongue and Groove edges for ease of installation requiring just Single Layer Joint Adhesive to create a monolithic robust surface: No screws required. Smartfloor panels require full support over a flat stable substrate.

Smartfloor panels have excellent thermal conductivity making Smartfloor ideal over insulated floating under floor heating systems for all finishes including ceramics.

(For stone floors see the Smartspan range)



Diagrams shown are for illustrative purposes only



### TECHNICAL DATA

Density	1100 - 1200 kg/m <sup>3</sup>
Dimensions	1200mm x 600mm x 25mm thick
Sheet weight	19.8 - 21.6 kg
Mass per m <sup>2</sup>	27.5 - 30.0 kg
Surface hardness acc.	Brinell $\geq 20$ N/mm <sup>2</sup>
Pull off bond strength	$\geq 0.6$ N/mm <sup>2</sup>
Expansion/Shrinkage	Changing air humidity at 20°C x 30% 0.6mm/m
Surface water absorption	(EN 20535) $\leq 300$ g/m <sup>2</sup>
Value of vapour diffusion resistance	$\mu 17$
Expansion of thickness after 24hours in water	0.5mm
Expansion/shrinkage by rise & fall temperature	0.02mm / (mk)
Conductivity of heat	0.38 AR W/(mk)
Reaction to Fire Classification	(EN 13501-1) A1

### BENEFITS to UNDER FLOOR HEATING (UFH)

- Reduces clients running costs compared to most timber-based boards 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.
- Facilities management improved with easy repair & maintenance.
- High thermal conductivity = Low resistance to heat transfer.

### OTHER FEATURES and BENEFITS

- 25mm thick
- Tongue and Groove profile
- High acoustic performance
- Easy to install
- Easy to cut and work
- Can accept direct bonded ceramic finish
- Can take light traffic after 4 hours. Fully loaded after 24 hours