

KARMA Smartfloor

Technical Data Sheet

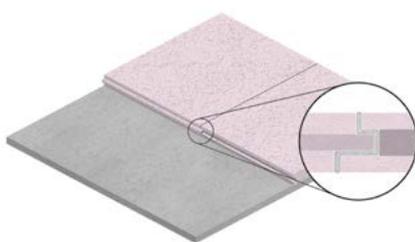
Smartfloor is a high quality, interlocking dry floor screed system using gypsum fibreboard technology.

Installed and ready for traffic in a fraction of the time of traditional wet screeds, Smartfloor is light whilst still providing a tough impact resistant surface.

Thermally transparent, Smartfloor is ideal for underfloor heating systems, and wood-fibre backed Smartfloor provides excellent impact sound reduction.

Smartfloor WF is a gypsum fibreboard dry screed with four precision-engineered lapped edges, incorporating a wood-fibre resilient layer to effectively reduce impact sound transmission from footfall.

Smartfloor RC incorporates a polyurethane elastomer layer designed to insulate floating screeds from the main structure of the building.



Smartfloor



Smartfloor WF



Smartfloor RC

Typical Applications

Residential buildings, offices schools depending upon live loads and sub-structure including residential bathrooms and kitchens. Suitable for:

- Underfloor heating
- Pre-fabricated and mosaic parquet flooring
- Carpets, PVC and linoleum
- Tiles and natural stone*

Not to be used in wet rooms due to gradient & drainage

*Installation guidelines must be followed

Technical Information

Gypsum board density (kg/m ³)	1100
Thermal Conductivity (AR W/(mK))	0.38
Water vapour diffusion resistance μ	@17
Wood Fibre board density (kg/m ³)	250

Benefits

Smartfloor:

- Up to 60% recycled content
- Dimensionally stable
- Minimises losses from underfloor heating systems allowing lower temperature operation and more responsive temperature control
- No specialist trades required for installation
- Reduces airborne noise
- Eliminates drying times from build schedules associated with wet screeds

Smartfloor WF:

- Low profile solution providing impact noise reduction in refurbishment over uneven timbers or screeds

Smartfloor RC:

- Adds market leading Regupol[®] Comfort resilient layer capable of supporting static loads up to 500 kg/m² (5kN/m²)

Karma Smartfloor

Physical Information

Product	Length x Width	Depth	Sheet	@ Kg/m ²	Composition
Smartfloor 18	1200 x 600mm	18mm	14kg	20	18mm Gypsum
Smartfloor 22	1200 x 600mm	22mm	17kg	24	22mm Gypsum
Smartfloor 28 WF	1200 x 600mm	28mm	16kg	22	18mm Gypsum + 10mm Wood Fibre
Smartfloor 32 WF	1200 x 600mm	32mm	19kg	27	22mm Gypsum + 10mm Wood Fibre
Smartfloor 24 RC	1200 x 600mm	24mm	16kg	22	18mm Gypsum + 6mm Regupol® Comfort
Smartfloor 28 RC	1200 x 600mm	28mm	19kg	26	22mm Gypsum + 6mm Regupol® Comfort

Reaction to Fire

Reaction to Fire	EN 13501-1
Smartfloor 18	A2-s1 ,d0
Smartfloor 22	A1
Smartfloor 28 WF	E
Smartfloor 32 WF	E
Smartfloor 24 RC	E

For further information and sales enquiries please call: 02380 625568

