

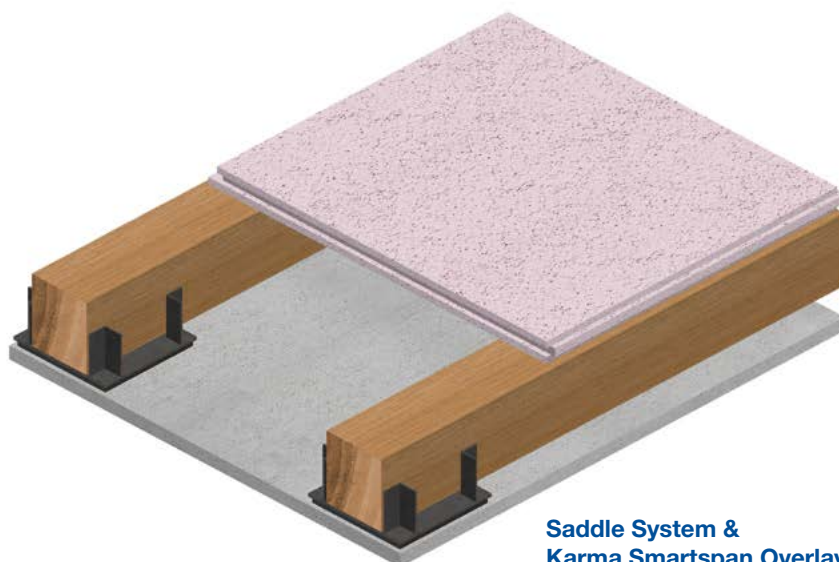
KARMA Smartspan

Technical Data Sheet

Karma Smartspan is a homogenous gypsum based fibre reinforced calcium sulphate solution.

- Edge Detail: T&G 4 sides
- Density: 1500kg/m³
- Suitable for all floor finishes

Contact your local Karma distributor for more information.



Saddle System & Karma Smartspan Overlay

Physical Information

Length (mm)	Width (mm)	Depth (mm)	Weight (kg)	kg / m ²
1200	600	18	19.4	27.0
1200	600	25	27.0	37.5
1200	600	28	30.2	42.0
1200	600	32	34.6	48.0

Technical Information

Bearer / Saddle centres	Working Load (kN)					Working Load (kN)				
	18mm	25mm	28mm	32mm	38mm	18mm	25mm	28mm	32mm	38mm
300mm x 300mm	2.7	4.5	4.5	6.0	n/a	1.1	0.8	0.7	0.6	n/a
400mm x 400mm	2.5	4.0	4.0	6.0	7.0	1.4	1.1	1.0	0.9	0.6
600mm x 600mm	n/a	3.0	4.0	5.0	6.0	n/a	1.3	1.2	1.0	0.8

- Tested to EN 13213 Hollow floors - Working Load = ultimate load/safety Factor 2
- Concentrated loads only are the determining factor
- Test by using a 25mm x 25mm simulated point load to fail at the specimens weakest point

Thermal Values	
Conductivity (λ_R)	0.44 W/(mK)
Under floor heating systems (λ_{10})	0.30 W/(mK)

Minimum Acoustic Performance	Delta Lw 24dB (ISO 140 - part 8)
Construction Products Regulation	EN 15283-2 "Gypsum fibre board in buildings"
Reaction to Fire	A1 "non combustible" EN13501-1

Karma Smartspan

Installation Procedure (minimum requirements)

- 1 Install continuous Perimeter bearer supported on resilient Saddles at the specified centres
- 2 Install support bearers supported on resilient Saddles at the specified centres
- 3 Level all Perimeter & Support Bearers with Saddle packers as required
- 4 Set out panels to maximise use of cut panels in the next or subsequent rows
- 5 Remove tongues from board at adjacent perimeter wall junctions
- 6 Loose Lay panels perpendicular to bearer direction with a minimum 10mm perimeter expansion gap
- 7 Use wedges to maintain continuous 10mm perimeter gap
- 8 Ensure all short board edges are fully supported on a bearer
- 9 Apply joint adhesive to lower edge of grooves and to tongues of next board
Note: Do NOT bond Karma Smartspan Panels to Support bearers
- 10 Tightly butt together with tools if required taking care not to damage board edges
- 11 A successful joint will have a visible bead of adhesive on the upper surface
- 12 This adhesive bead can be removed with a scraper when dry (24hrs) - mechanical fixings are not necessary
- 13 Second and following rows of panels to have staggered joints of not less than 400mm of panel
- 14 Install preformed perimeter flanking strip to all floor / wall interfaces
- 15 Do not load floor for approx 8hrs after laying.
- 16 Floor will reach full load bearing capacity after 24hrs.

Bonding: 1 litre Applicator Bottle T&G SL Joint Adhesive

Cutting of Boards: Use Skil Saw or similar with Diamond tipped blade or Pendulum jigsaw with HM tipped blade

NB: Diamond tipped blades have fewer teeth to minimise dust when cutting, however, good dust extraction equipment & protection is necessary

Karma Smartspan Finishes Guide

Floor Finish	18mm	25mm	28mm	32mm	38mm
Timber fully bonded	12mm max	12mm max	12mm max	12mm max	12mm max
Timber on underlay	✓	✓	✓	✓	✓
Laminate	✓	✓	✓	✓	✓
Carpet	✓	✓	✓	✓	✓
Ceramic tiles up to 600mm x 600mm	✓	✓	✓	✓	✓
Ceramic tiles up to 600mm x 600mm	n/a	✓	✓	✓	✓
Stone	n/a	n/a	✓	✓	✓

PLEASE NOTE THAT THE ABOVE IS FOR GUIDANCE ONLY

The suitability of any finish should always be checked with your local Karma distributor and as detailed in the specification

For further information and sales
enquiries please call: 02380 625568

