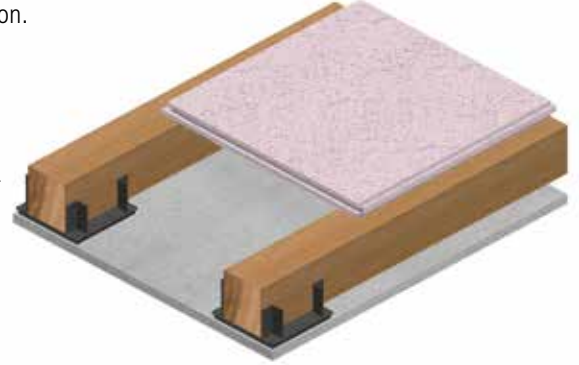


Technical Data Sheet

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 CMS Danskin Acoustics distributor for more information

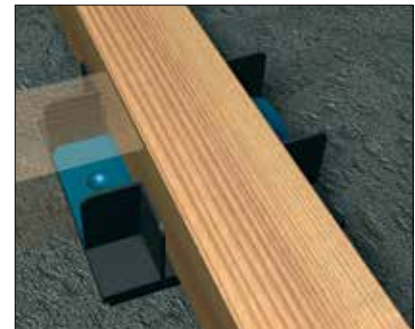


PHYSICAL INFORMATION

Lenght (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
1200	600	38	41.0	57.0

CMS Danskin Acoustics Saddle System and Smartspan Overlay.

Diagrams shown are for illustrative purposes only.



TECHNICAL INFORMATION

Bearer / Saddle centres	Working Load (kN)					Deflection (mm) under 2kN Load				
	18mm	25mm	28mm	32mm	38mm	18mm	25mm	28mm	32mm	38mm
300x300mm	2.7	4.5	4.5	6.0	n/a	1.1	0.8	0.7	0.6	n/a
400x400mm	2.5	4.0	4.0	6.0	7.0	1.4	1.1	1.0	0.9	0.6
600x600mm	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 specimen's weakest point



Thermal Values

Conductivity (λ_p)	0.44 W/(mK)
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Minimum Acoustic Performance	ΔL_w 24dB (ISO 140 - part 8)
Construction Products Regulation	EN 15283-2 "Gypsum fibre board in buildings"
Reaction to Fire	A1 "non-combustible" EN13501-1

CMS DANSKIN ACOUSTICS SMARTSPAN SADDLE SYSTEM

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 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.

CMS DANSKIN ACOUSTICS SMARTSPAN FINISHES GUIDE

Floor Finish	18mm	25mm	28mm	32mm	38mm
Timber fully bonded	12mm max	16mm max	18mm max	21mm max	25mm max
Timber on underlay	✓	✓	✓	✓	✓
Laminate	✓	✓	✓	✓	✓
Carpet	✓	✓	✓	✓	✓
Ceramic tiles up to 600mm x 600mm	✓	✓	✓	✓	✓
Ceramic tiles over 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 CMS Danskin Acoustics and as detailed in the specification.