

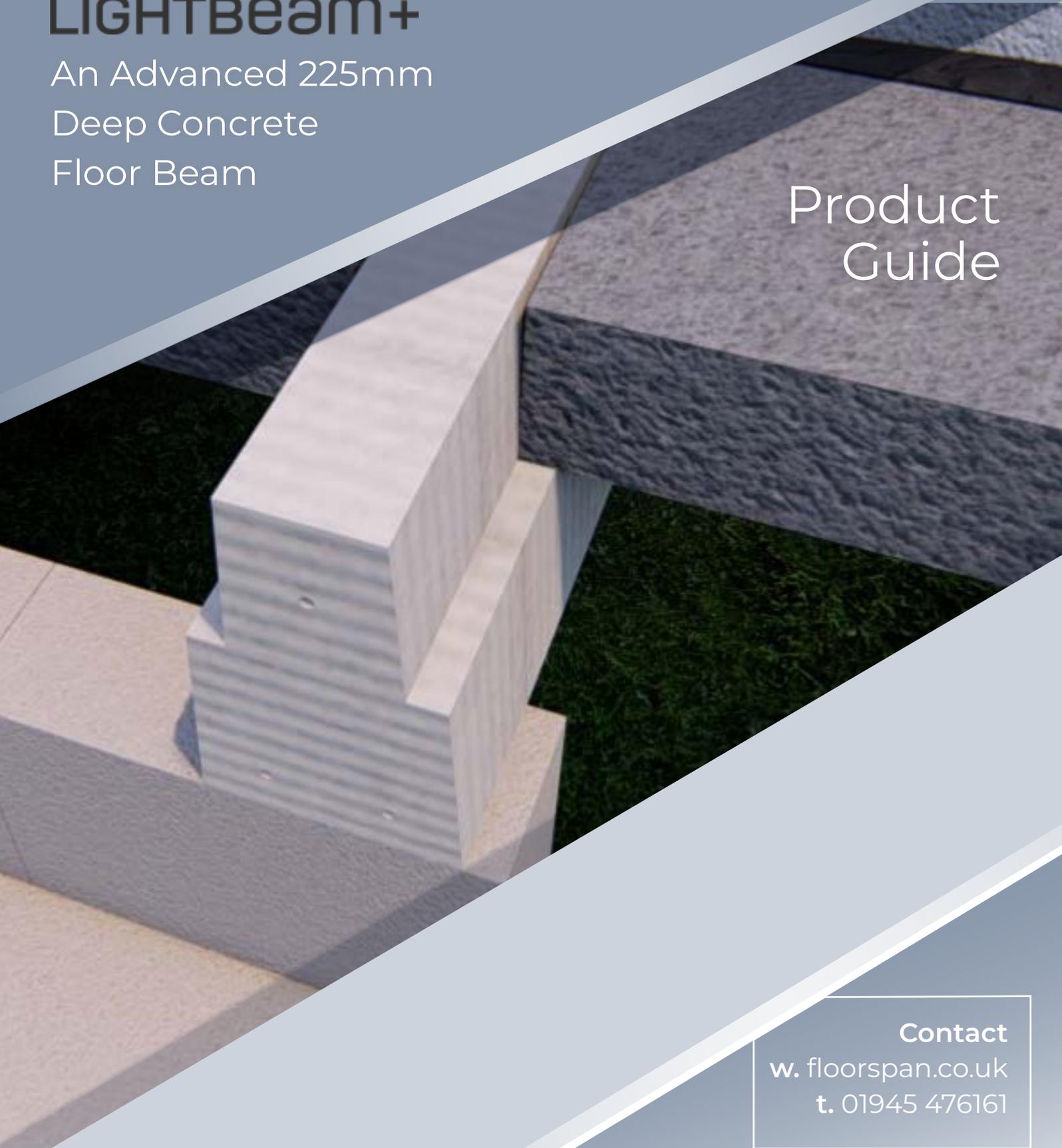


FLOORSPAN
CONTRACTS

LIGHTBEAM+

An Advanced 225mm
Deep Concrete
Floor Beam

Product
Guide



Contact

w. floorspan.co.uk

t. 01945 476161



LIGHTBEAM+

AN ADVANCED PRECAST CONCRETE FLOOR BEAM



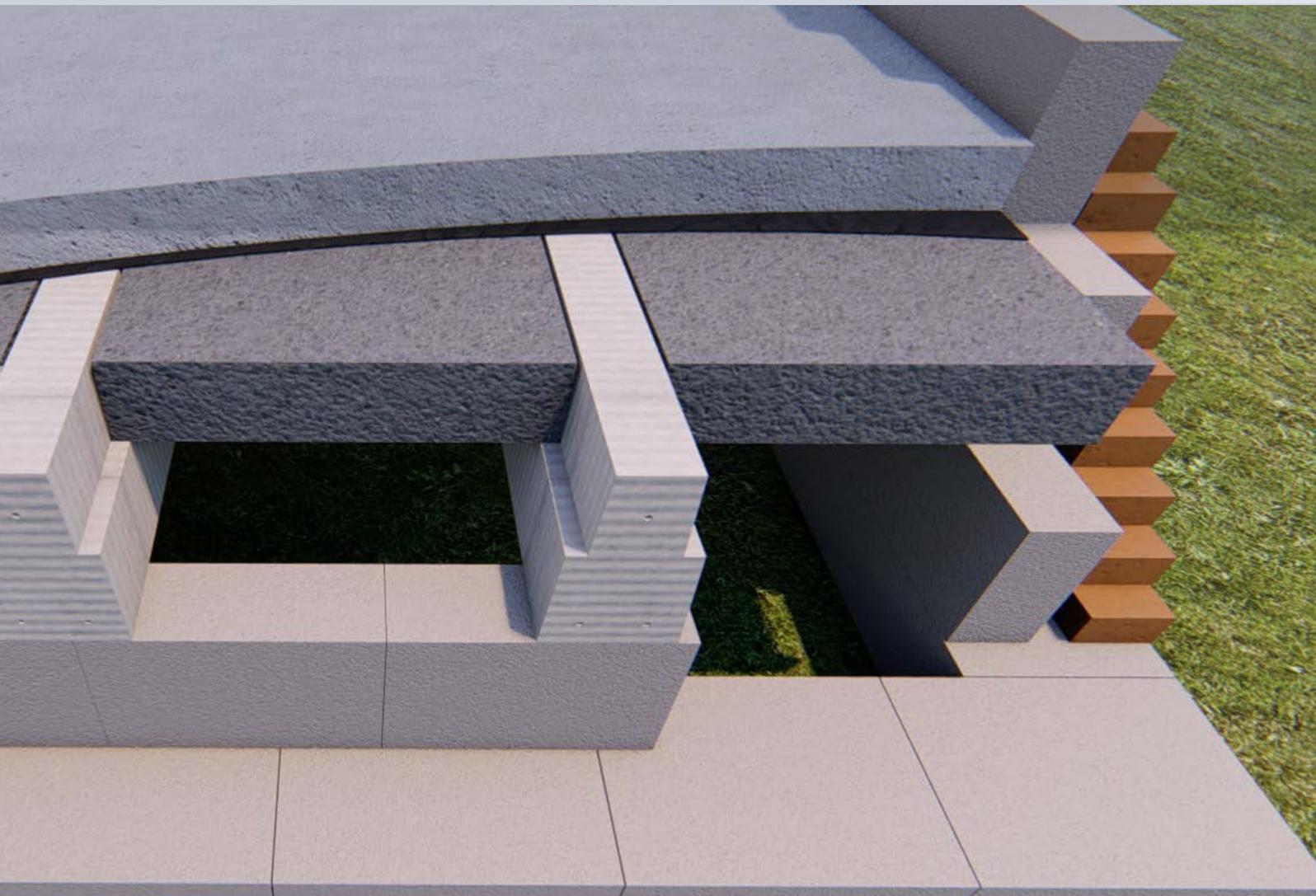
INDUSTRY LEADING STRUCTURAL PERFORMANCE.



POWERFUL STRENGTH TO WEIGHT RATIO.

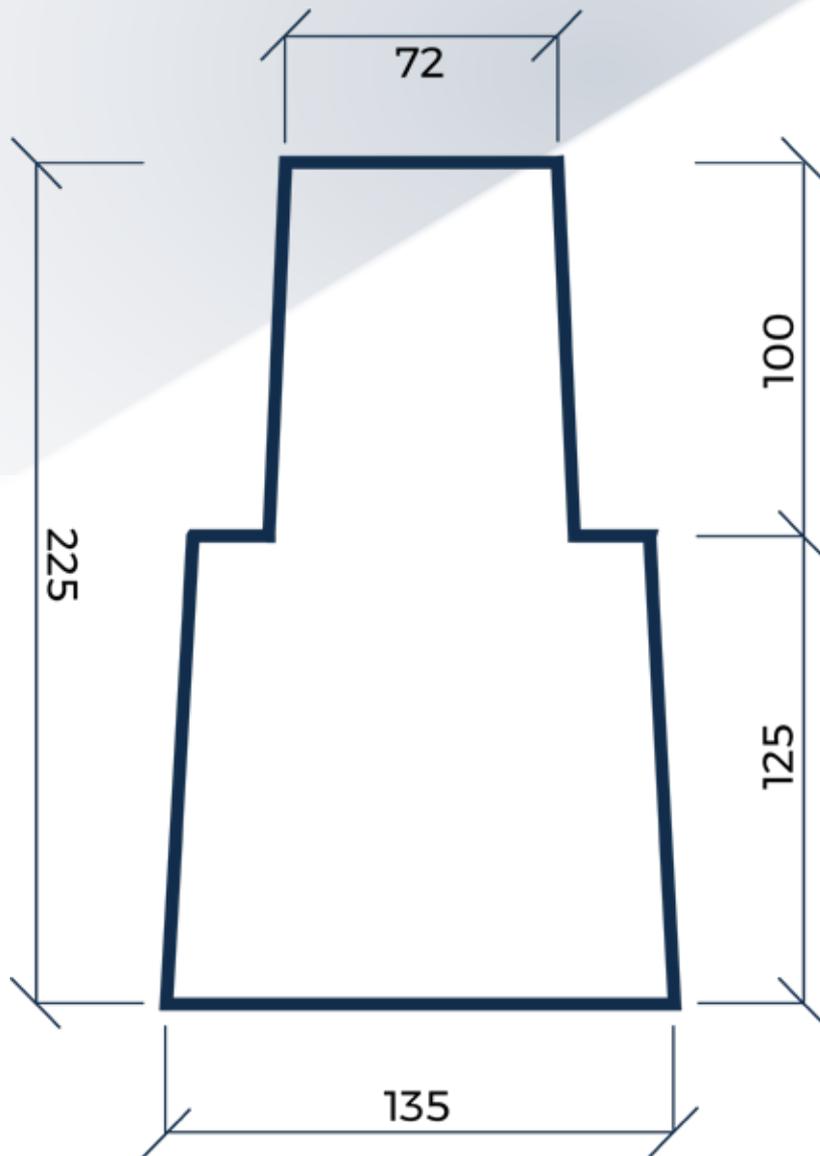


ENHANCED VALUE FOR MONEY.



Lightbeam+ is the innovative 'lightweight' 225mm deep beam. Created to deal with span / load requirements common to: large homes, schools, offices and hospitals.

This T beam has been carefully developed to respond to the emerging needs of the construction industry. Through the efficient use of materials and a unique reinforcement pattern, developers and contractors can now access robust, easy to install suspended concrete floors that are more cost-effective than ever.

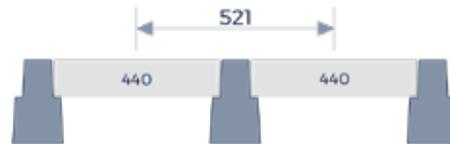


- Weighs just 57kg per l/m.
- Slimline design saves on material costs.
- Unique reinforcement structure makes it one of the strongest beams on the market.
- Easy to store on-site.
- Slimline design saves on delivery costs.
- 225mm deep beam makes coursing with brick / block-work simple.

Beam Patterns

When you send in an enquiry to Floorspan, we use the available information to produce a cost-effective solution that is structurally sound and fit-for-purpose. Below, the different possible beam configurations are set out. All of our floors are designed using 440 x 215 x 100 (mm), medium density (1450 KG/m³) infill blocks.

S521



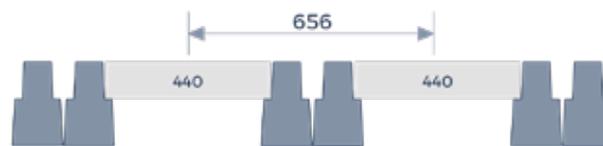
S409



S296



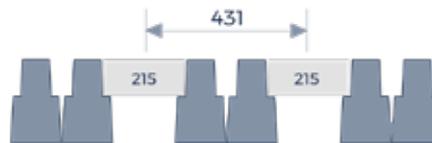
S656



S544



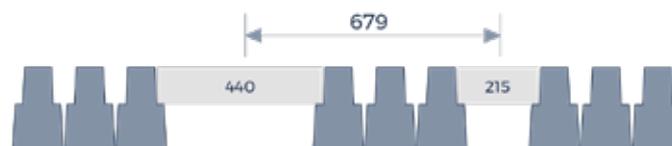
S431



S791



S679



S566



Span / Load Tables

The adjacent table shows the typical performance of our Lightbeam+ in a range of common settings.

Lightbeam+ comes in to its own when applied to commercial and municipal developments with more challenging span / load requirements.

Below, you can see how well Lightbeam+ performs when compared to other leading products on the market.

Not only does Lightbeam+ outperform the competition in terms of strength, it is also lighter.

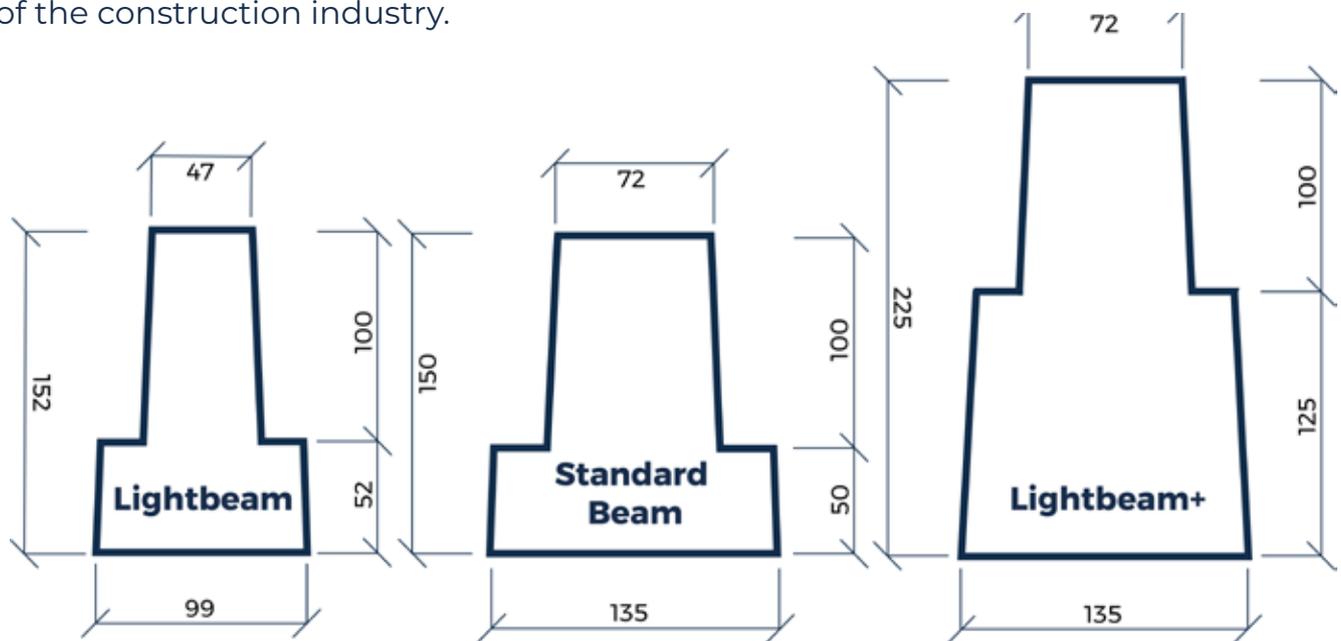
	Classic 'Residential' Scenario 1.5kN UDL / 65mm Screed (m)	Healthcare/School/Office Scenario 3kN UDL / 75mm Screed (m)	Commercial/Industrial Scenario 5kN UDL / 75mm Screed (m)
S521	7.00	6.47	5.87
S409	7.71	7.16	6.54
S296	8.50	8.13	7.50
D656	8.32	7.76	7.15
D544	8.50	8.33	7.72
D431	8.50	8.50	8.41
T791	8.50	8.40	7.79
T679	8.50	8.50	8.25
T566	8.50	8.50	8.50

Comparison Table

Strength Comparison		Table based on available data and applicable to many commercial & municipal building projects, including: OFFICES / SCHOOLS / HOSPITALS				
		Floorspan	Competitor 1	Competitor 2	Competitor 3	Competitor 4
Single	Full	6.47	4.35	5.85	5.80	5.70
	Alternate	7.16	4.85	6.51	6.70	6.35
	Narrow	8.13	5.65	7.46	7.30	7.20
Double	Full	7.76	5.40	7.14		
	Alternate	8.33	5.90	7.72		
	Narrow	8.50	6.55	8.44		
Triple	Full	8.40	6.95			
	Alternate	8.50				
	Narrow	8.50				

Floorspan Product Range

When producing your precast concrete floor design, we are able to use a combine different beam types and patterns. This ensures that we can provide the most cost effective solution without compromising on strength. Along with our hollowcore planks, our precast beams have all beam specifically designed to answer the needs of the construction industry.



Floorspan Contracts are a leading precast concrete manufacturer based in Wisbech, Cambridgeshire. Floorspan was established in 1997 and since then we have evolved into one of the largest precast concrete flooring specialists in the UK. Our customers benefit from a progressive company with a 6-acre production facility, a large fleet of specialist vehicles and an expert team of technical and support staff.



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