



MACFAB 
Pre-stressed Equipment Manufacturers



**STRONG ECONOMICAL
CONCRETE ELEMENTS**

www.prestressed.ie

With over 30 years developing, manufacturing, installing and maintaining over 1,000 concrete pre-stressing beds, on an international level – we offer our customers the security of expertise.



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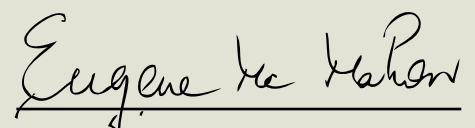
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Please note that only products from our standard range is featured in this brochure. For a full list of Pre-stressed beds please do not hesitate in contacting MACFAB Systems sale team at sales@MACFAB.com .

MACFAB prides itself on offering durable and affordable equipment for the concrete industry. Founded in 1976 MACFAB has over 30 years experience in the development, production and fabrication of pre-stressing beds. Our equipment is designed and manufactured at our purpose built facility with all equipment conforming to the highest international standards. Our impeccable reputation, commitment to excellence and customer satisfaction means we enjoy being the market leader.

A handwritten signature in black ink, reading "Eugene McMahon", written over a horizontal line.

Eugene McMahon
MANAGING DIRECTOR

EXPERTISE

Having manufactured and developed pre-stressing beds since 1976 our team are highly skilled engineers with in-depth knowledge of our products and the market place.

QUALITY PRODUCTS, AFFORDABLE PRICES

We have committed ourselves to the design and development of both our pre-stressing beds and manufacturing process. Our products are created to be durable, efficient and functional — without expensive unnecessary extras. Simply put, better machinery with a simplified operation. Believing in the importance of innovation MACFAB also practices the “Lean Way” of thinking, utilising new production methods and technology to achieve a streamlined production. When you buy a MACFAB machine you can make a great concrete product. When you install the MACFAB Pre-stressing system your operation can make you money.

INNOVATION AS STANDARD

Offering cost saving solutions from installation to end product. Our Pre-Stressing Beds and Pre-Stressing System have a number of innovative design features. The frames of MACFAB machines are manufactured to wholly support the pre-stressing load. Not only does this eliminate the cost of building on site abutments but also means equipment can be moved from site to site. Return of revenue is quick as machines can be installed and operating in as little as one week.

MACFAB WET CAST SYSTEM BENEFITS 1.2

QUALITY PRODUCT

The pre-stressing of concrete produces high strength tension within the product. This inert strength means considerably less concrete is needed to achieve maximum load results. Direct saving on materials is not the only benefit of using less concrete. Products are lighter making them more manageable and this reduction in bulk means less transportation costs. Pre-stressed products also create energy efficient builds that provides resistance to fire and high levels of thermal and sound insulation.

LOW PRODUCTION COSTS

Our machines are fully operational outside and can be run by a team as small as 2 people, this means exceptional low overheads on buildings and labour.

TURN KEY SOLUTIONS: EQUIPMENT & EXPERTISE

Avoid the many pitfalls a new enterprise can face by availing of our turnkey option. We have pooled our extensive knowledge and resources to offer customers a quick and easy start up solution. Consultancy, software, training, maintenance and spare parts are all left in our capable hands. Our service is tried and tested with over 1,000 satisfied customers.

TESTIMONIALS

We are proud to work for and with international companies. Below are some of the comments about our products and services.

"Floor span have been using MACFAB equipment for 13 years. We find their products highly reliable and a trusted supplier who never let us down"

Nick Dighton
Managing Director
Floorspan



"I find MACFAB offer a great service, everything we needed to set up our Tee-Beam and Core Slab Production from design to installation was there for us. In no time we were producing a wide range of Tee-Beams and flooring"

Peter Mace
Managing Director
TT Concrete



"ACP have in total 32 pre-stressing beds manufacturing wall, flooring, tee-beam and lintels in our production plants, each unit has a great return on investment. Our first beds were purchased over 20 years ago and are still in operation."

Willy Mercer
Manager
ACP Concrete



WARRANTY

All machines carry a 5 year warranty on parts subject to normal working conditions. Pumps and Jacks need to be calibrated once a year by an on site engineer. During installation training on the correct operation, safety and maintenance of the pre-stressing bed will be carried out by an appointed MACFAB technician.

SAFETY

MACFAB believes in operating to the highest international safety regulations. All machines are CE marked and quality tested before being dispatched.

ADDITIONAL EQUIPMENT & OPTIONAL EXTRAS 1.3



fig 1

ESSENTIAL EQUIPMENT

Additional equipment is required for stressing of wire and strands. All equipment can be supplied by MACFAB and adhere to our high level of quality and standards.

Pump & Jack Unit:

This is the most economic way to stress wire / strand. (fig1)

Barrels and Wedges:

Keeps tension on wiring. (fig2)



fig 3



fig 2

OPTIONAL EXTRAS

Optional products listed help achieve a maximum turn over of products and offer time saving solutions.

Multi – Head Stressing:

A time saving feature that can stress all wires / strands in one easy operation. (fig3)

Under Bed Vibration:

Insures evenly compacted concrete. This process saves time and the need for manual vibration systems.

Heating pipes:

Under and over insulation may be required to achieve a 30 kn cube crush in an 18 hour period before de-molding . (fig4)

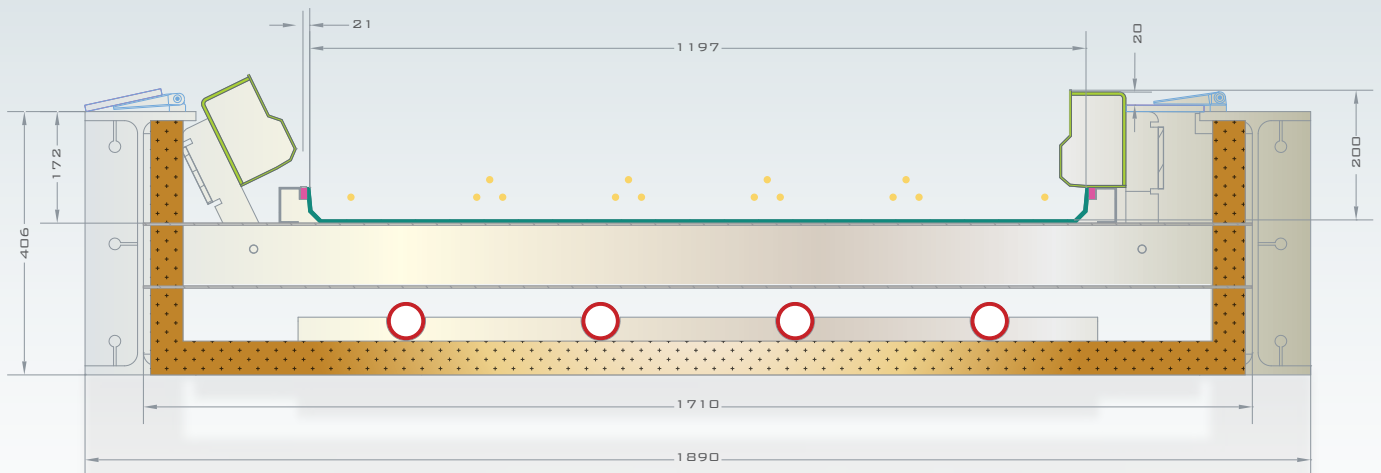


fig 4

PRE-STRESSED FLOORING BEDS 2.0

PRODUCTS USED IN THE CONSTRUCTION OF :

- Nursing Homes
- Hotels
- Garages
- High Rise Apartments
- Hospitals
- Car Parks
- Office Complexes
- Apartments
- Residential Housing
- Any medium to large construction



KEY

- | | |
|---|---|
|  Wire Strand 9.3mm |  Nitral Seal |
|  Flooring Mould |  Heating Pipes |
|  Side Formers |  Insulation |
|  Closing Flaps | |

Cross Section of 150, 200, 250 Flooring Bed

INTRODUCTION

MACFAB Hollow Core Bed and Solid Slab Bed are manufactured to create versatile and affordable concrete products. Virtually eliminating traditional time consuming processes such as propping shuttering and concrete pouring. Both beds offers a range of production, design and structural options, that can be altered to meet various building projects.

PRODUCTION OF SLABS

The benefits of our pre-stressed bed system start at production and constantly deliver practical and cost effective solutions throughout the life span of the build. This is achieved through the following methods:

Screeding Technique: By screeding the concrete down our Hollow Core bed can produce three slab types, the 150, 200 and 250.

Stop Ends: During the casting of slabs Stop Ends are placed at designated sections. Creating this division during casting stage means slabs no longer have to be cut to size. Hence removing the need for expensive concrete cutting equipment, quicker production time and less labour. Slabs can also be cast with openings to hold continuity bar connectors. Adding these openings at the casting stage will save time and cost on site as sawing is no longer required.

Polystyrene Fill: Hollow Core products, 150, 200 and 250 can all be cast with polystyrene to reduce the self weight load of the slab, enabling long spans. Longer spans with a high capacity level means less columns and support walls are required, ideal in the construction of hotels and industrial buildings.

DESIGNED TO BE BETTER

Simplicity of slab design means quick and easy on site assembly, once erected this floor provides a safe working platform for site operatives.

EFFICIENT AND SAFE

MACFAB wet cast systems address the need for energy efficiency insulation in flooring systems — satisfying all Eco Building Regulations. Wet cast systems not only offer warm energy efficient buildings but also quieter ones. The mass of prestressed concrete floors provides an effective sound barrier, offering future inhabitants a more appealing habitat. Due to the fire resistant nature of pre-stressed concrete structures are also safer.

HIGH QUALITY FINISH

The soffit finish of wet cast spans is so smooth and flawless that it can be painted onto directly. This design feature means clean modern finishes are achievable without a supporting ceiling. Where suspended ceilings or plastering is required the wet cast flooring offers an excellent base, facilitating all design options.

FLOORING IMAGES



Incorporating polystyrene during casting

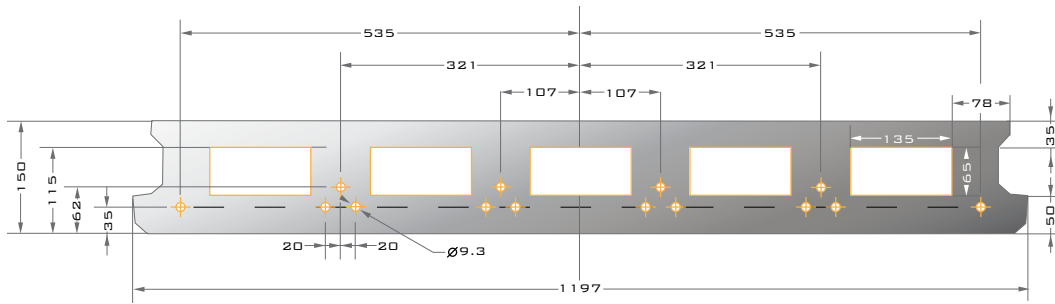


Easy on site assembly



Painting directly onto panels

FLOORING DRAWINGS & LOAD TABLES 2.2

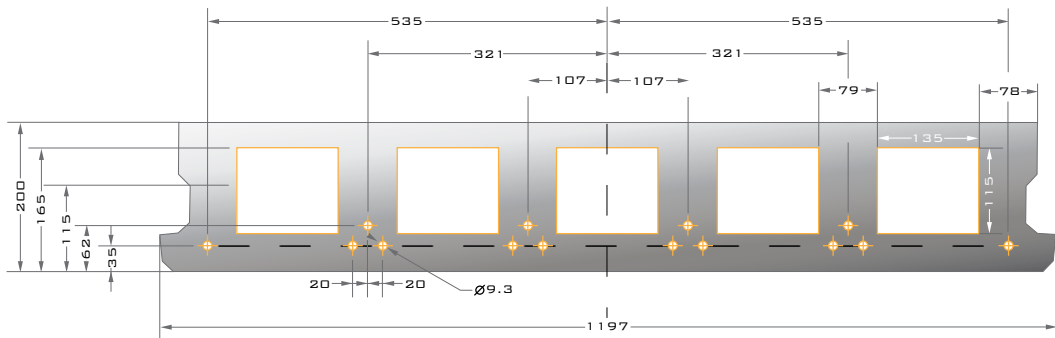


STAND TYPE	MU KNM	VCO KN	SAFE SUPERIMPOSED SERVICE LOADS KN/M ²									CODE
			4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
5 - 9.30	44.92	96.83	9.74	7.19	5.37	4.02	3.00	2.20				A
6 - 9.30	52.90	102.78	11.17	8.30	6.27	4.76	3.62	2.73				B
7 - 9.30	60.64	105.90		9.44	7.20	5.53	4.26	3.28	2.51	1.86		C
8 - 9.30	68.00	110.17		10.11	7.67	5.92	4.59	3.56	2.73			D
9 - 9.30	75.06	114.37			9.03	7.04	5.53	4.36	3.45	2.68	2.06	E
10 - 9.30	81.78	118.33		12.82	9.93	7.79	6.16	4.90	3.90	3.90	2.42	F

HOLLOW CORE SLAB

PRODUCT TYPE: 1200mm x 150mm

All calculations are for guideline purposes only.



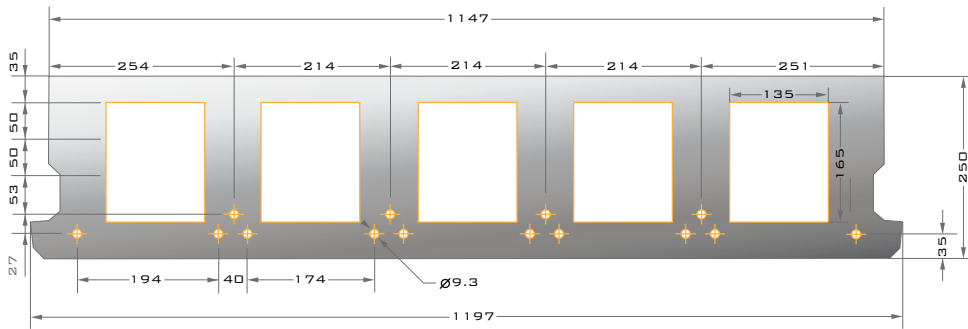
STAND TYPE	MU KNM	VCO KN	SAFE SUPERIMPOSED SERVICE LOADS KN/M ²											CODE
			5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	
5 - 9.30	65.26	124.02	9.34	7.23	5.63	4.37	3.39	2.60						A
6 - 9.30	77.35	129.44	10.14	8.35	6.57	5.18	4.08	3.20	2.47					B
7 - 9.30	89.11	134.80	12.09	9.49	7.53	6.00	4.78	3.81	3.01	2.35				C
8 - 9.30	100.55	139.80	13.42	10.61	8.47	6.80	5.47	4.41	3.54	2.82	2.21			D
9 - 9.30	111.67	144.76			9.42	7.62	6.18	5.82	4.08	3.29	2.63	2.08		E
10 - 9.30	112.46	149.42			10.36	8.42	6.87	5.62	4.61	3.76	3.05	2.45	1.94	F

HOLLOW CORE SLAB

PRODUCT TYPE: 1200mm x 200mm

All calculations are for guideline purposes only.

FLOORING DRAWINGS & LOAD TABLES (CONTINUED) 2.3

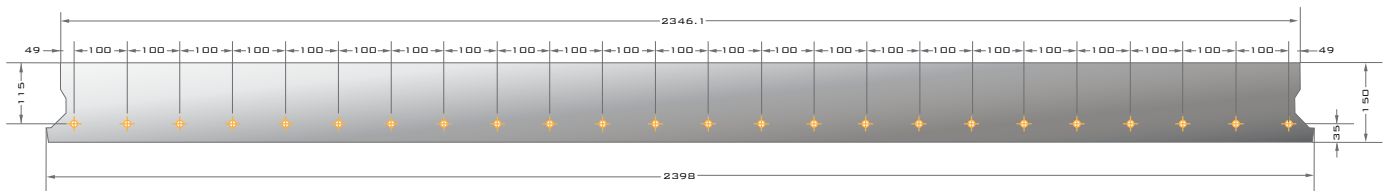


STAND TYPE	MU KNM	VCD KN	SAFE SUPERIMPOSED SERVICE LOADS KN/M ²													CODE
			6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	
6 - 9.30	101.7	172.81	10.07	8.11	6.53	5.27	4.24	3.37	2.65	2.05	1.53					A
8 - 9.30	133.6	185.54		10.20	8.33	6.84	5.62	4.95	3.74	3.03	2.41	1.88				B
7 - 9.30	164.4	197.24			10.16	8.43	7.01	5.83	4.85	4.02	3.31	2.70	2.16	1.70		C
8 - 9.30	173.1	199.74			10.69	8.90	7.42	6.19	5.17	4.31	3.57	2.93	1.89			D
9 - 9.30	224.4	219.66				11.70	9.88	8.37	7.12	6.05	5.14	4.35	3.68	3.09	2.57	E
10 - 9.30	272.5	236.76					12.34	10.55	9.05	7.79	6.71	5.78	4.97	4.27	3.66	F

HOLLOW CORE SLAB

PRODUCT TYPE: 1200mm x 250mm

All calculations are for guideline purposes only.



150MM 20MM 9.3 MM STRAND	SAFE SUPERIMPOSED SERVICE LOADS KN/M ²					CODE
	5.0	6.0	7.0	8.0	9.0	
	19	11	6	2.5	0.5	A

SOLID SLAB

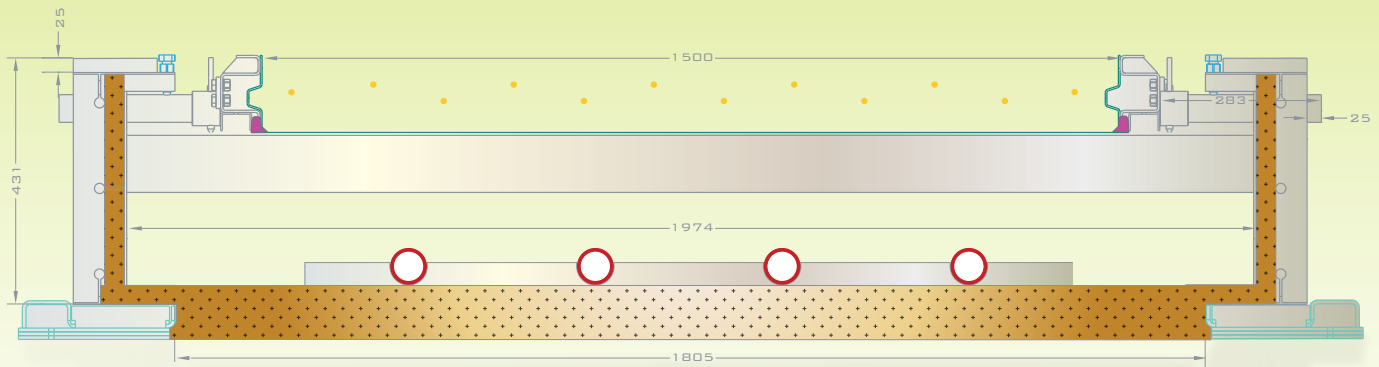
PRODUCT TYPE: 2400mm x 150mm

All calculations are for guideline purposes only.








PRE-STRESSED WALLING BED 3.0

PRODUCTS USED IN THE CONSTRUCTION OF :

- Warehouses
- Factories
- Any building using a steel structure
- Bulk Grain-Stores
- Earth Retaining Walls
- Waste Transfer Stores
- Agricultural Buildings
- Security Walls



KEY

	Wire Strand 9.3mm		Nitral Seal
	Walling Mould		Heating Pipes
	Side Formers		Insulation
	M16 Tubing Bolt		

Cross Section of Walling Bed

INTRODUCTION

The MACFAB Walling Bed has been manufactured to create versatile and affordable walling panels. Panels are robust and flexible enabling them to be used in a wide variety of constructions. They offer a superior storage and security solution. Our walling system can be erected in one day, in all weather conditions.

PRODUCTION OF PANELS

The bed can be easily adapted with Walling Attachments to produce a wide range of panels. The standard panel range is 1000mm x 90mm, 1000mm x 140mm, 1200mm x 90mm, 1200mm x 140mm, 1500mm x 90mm and 1500mm x 140mm. All attachments can be purchased from MACFAB.

QUICK ERECTION IN ALL WEATHER CONDITIONS

An impressive erection time and the ability to be assembled even in adverse weather conditions gives MACFAB's Walling System a clear advantage over traditional methods such as block walling.

DURABLE AND STRONG

MACFAB Walling Panels are designed to optimise the high load bearing performance of pre-stressed concrete to create superior walling and storage units. An additional design feature means structures created using the MACFAB Wall Panel System can also be made impermeable to water. A space of 3mm between the tongue and groove allows for a polyurethane mastic sealant to be applied providing a watertight seal.

LOAD BEARING PANELS

Panels 1000 x 90mm, 1200mm x 90mm and 1500mm x 90mm are non-load bearing panels for the construction of enclosers. Load bearing panels begin at 1000mm x 140 mm.

WALLING IMAGES



Panels being lifted into place

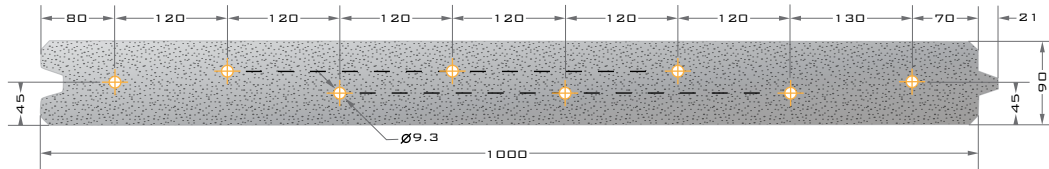


Finished building



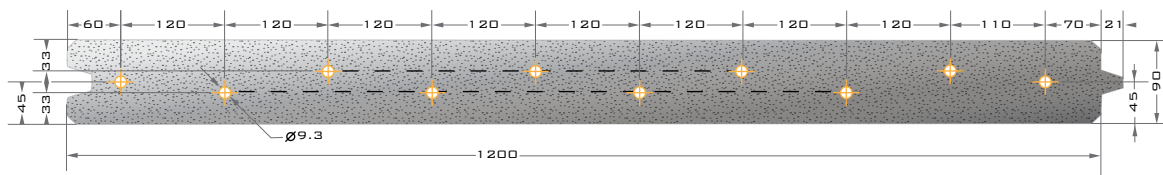
Finished security wall

WALLING DRAWINGS : NON LOAD BEARING 3.2



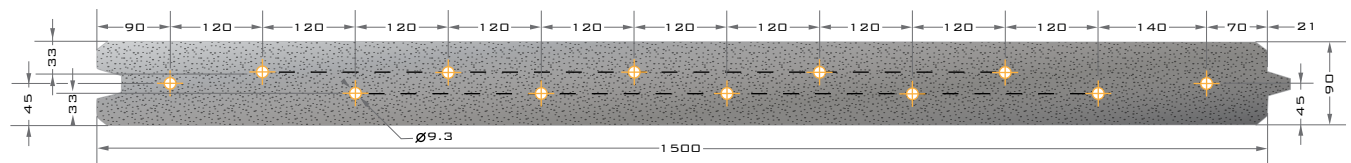
NON-LOAD BEARING PANEL

PRODUCT TYPE: 1000mm x 90mm



NON-LOAD BEARING PANEL

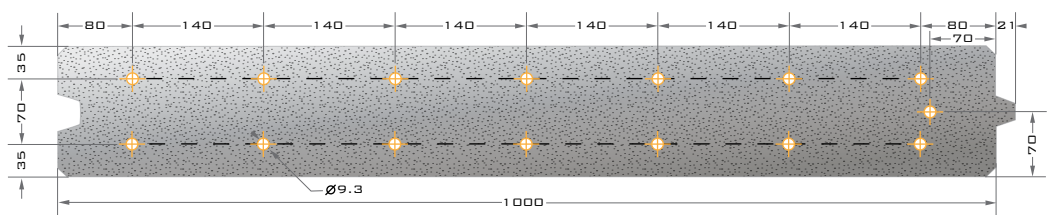
PRODUCT TYPE: 1200mm x 90mm



NON-LOAD BEARING PANEL

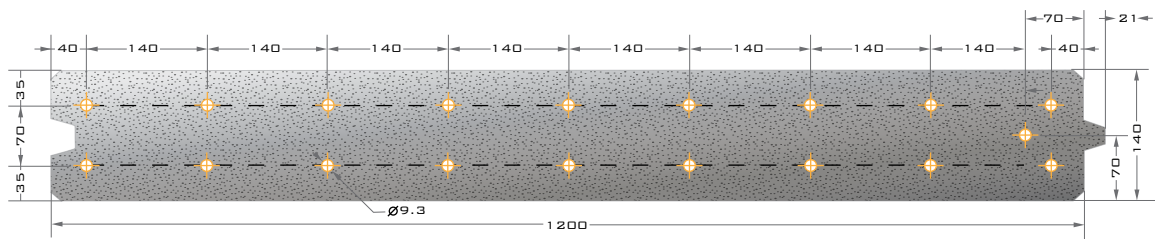
PRODUCT TYPE: 1500mm x 90mm

WALLING DRAWINGS & LOAD TABLE 3.3



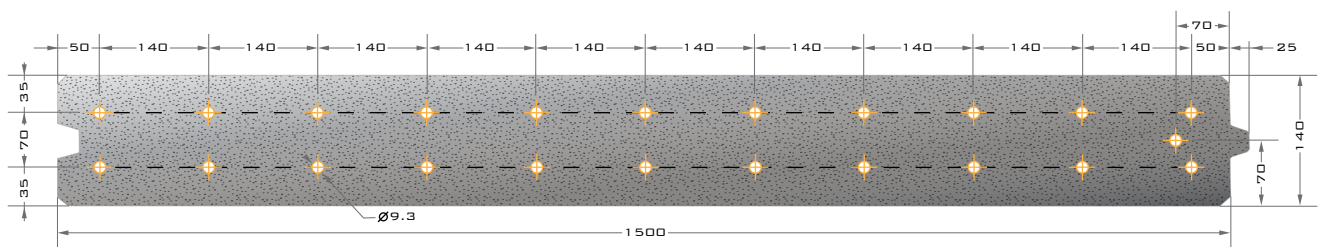
LOAD BEARING PANEL

PRODUCT TYPE: 1000mm x 140 mm



LOAD BEARING PANEL

PRODUCT TYPE: 1200mm x 140 mm



LOAD BEARING PANEL

PRODUCT TYPE: 1500mm x 140 mm

PANEL THICKNESS 140MM	MAXIMUM WALL HEIGHT					
	Span Between Columns	Surcharged Grain	Level Grain	Sludges/ Slurries	Surcharged Vegetables	Level Soil/ Fertiliser
	4.50	4.25	6.00	2.10	4.00	4.25
	6.00	2.50	4.00	1.20	2.25	2.45

LOAD TABLE

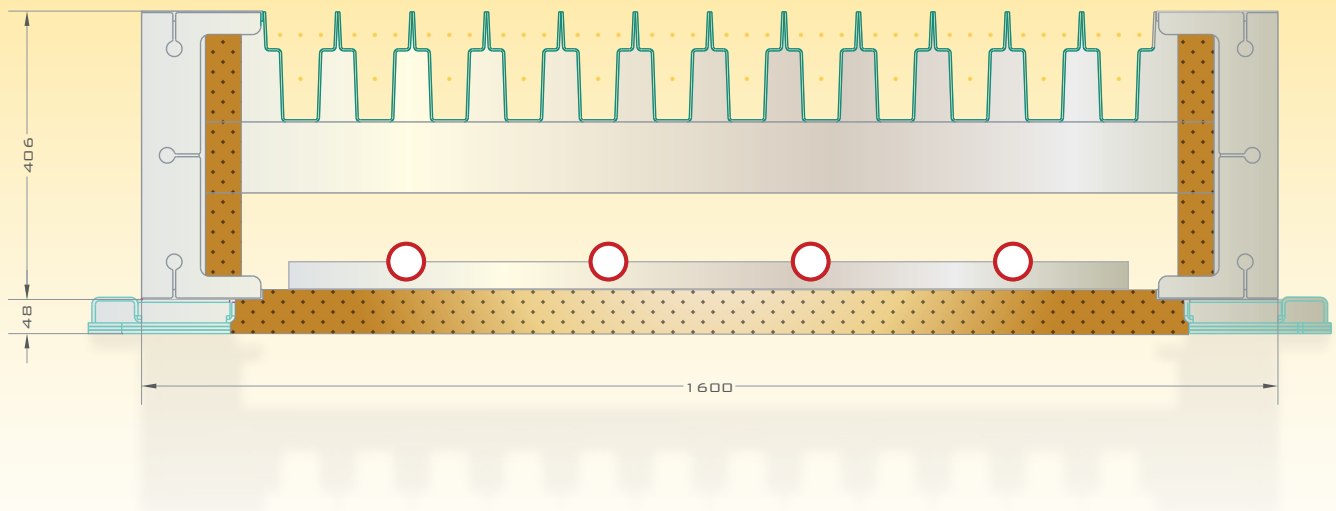
Above load table shows the calculations for load bearing wall panels. Products shown from standard range.

All calculations are for guideline purposes only.

PRE-STRESSED TEE-BEAM BEDS 4.0

PRODUCTS USED IN THE CONSTRUCTION OF :

- Ground Floor
- First Floor
- Second Floors



KEY

 Wire 5mm	 Heating Pipes
 Tee-Beam Mould	 Insulation
 Vibrating Mounting	

Cross Section of Tee-Beam Bed

INTRODUCTION

The Tee-Beam Pre-cast flooring system is the most economical system for the construction of ground, first and second floors. Offering the high strength of Pre-Stressed concrete combined with the cost effective process of block work. The Tee-Beam system eliminates traditional and time consuming processes such as propping shuttering and concrete pouring.

PRODUCTION OF TEE-BEAMS

During the casting of Tee-Beams Stop Ends are placed at designated sections according to length requirements. Creating this division during casting stage means beams no longer have to be cut to size before emptying a bed. Hence removing the need for expensive concrete cutting equipment and cutting production time and labour.

DESIGNED TO BE BETTER

Simplicity of design means quick and easy on site assembly of Tee-Beams. Once erected this floor provides a safe working platform for site operatives. Service pipes, electrical wiring etc can all be easily incorporated into the build. Tee-Beams offer longer spans than timber floor construction; this is beneficial when building larger rooms.

EFFICIENT AND SAFE

A superior alternative to traditional timber floor construction Tee-Beams and block filling not only offer warm energy efficient buildings but also quieter ones. The mass of prestressed concrete floors provides an effective sound barrier, offering future inhabitants a more appealing habitat. Due to the fire resistant nature of pre-stressed concrete structures are also safer. These inherent qualities make concrete homes better homes.

TEE-BEAM IMAGES



Tee-Beams in place

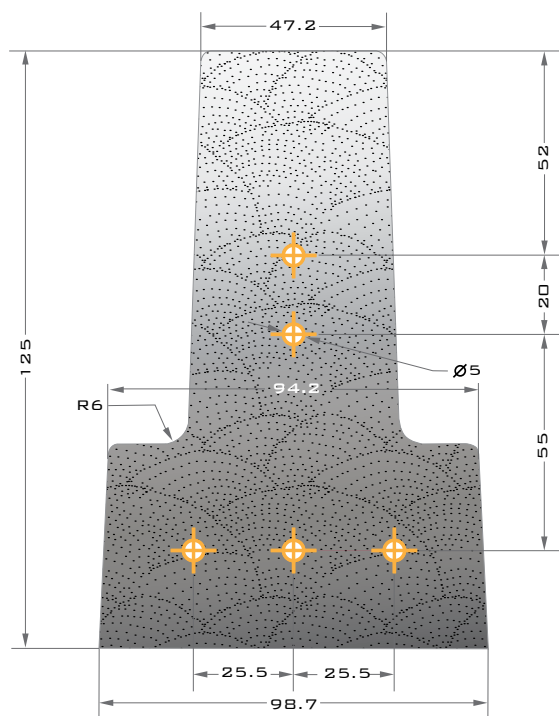


Block work being added to Tee-Beams



Finished Tee-Beam floor

TEE-BEAM DRAWING & LOAD TABLE: 125mm x 100mm 4.2



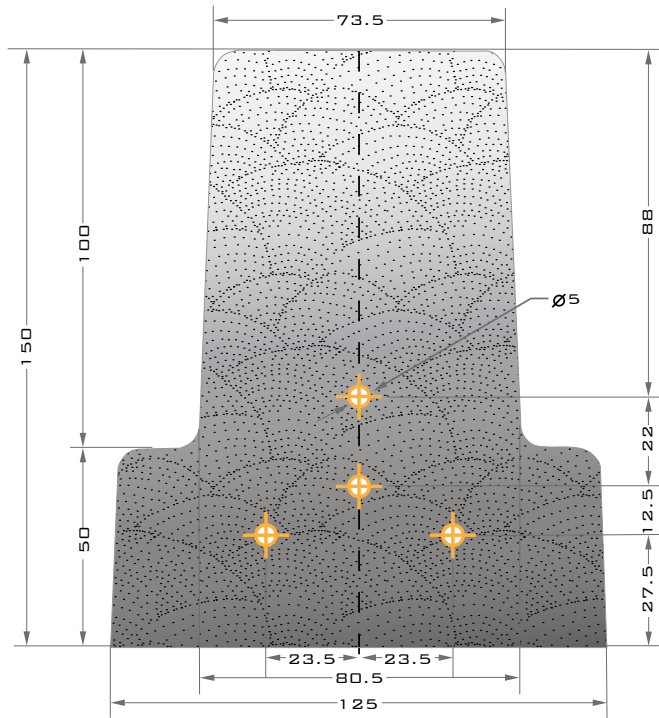
TEE-BEAM & LOAD TABLE

PRODUCT TYPE: 125mm x 100 mm

All calculations are for guideline purposes only.

APPLICATION	BLOCK DENSITY KG/M ³	MAXIMUM EFFECTIVE SPAN SAFE SUPERIMPOSED SERVICE LOADS KN/M ²						DOMESTIC GARAGE 75MM REINFORCED SCREED
		1.5	2.0	2.5	3.0	4.0	5.0	
S522 	660	5.675	5.213	4.848	4.550	4.090	3.745	3.977
	1350	5.157	4.803	4.513	4.270	3.882	3.584	3.785
	1900	4.832	4.537	4.290	4.080	3.738	3.470	3.651
S409 	660	6.236	5.753	5.367	5.049	4.553	4.180	4.431
	1350	5.717	5.338	5.025	4.762	4.339	4.012	4.233
	1900	5.385	5.064	4.795	4.565	4.188	3.892	4.093
S296 	660	7.006	6.505	6.098	5.759	5.222	4.812	5.088
	1350	6.512	6.104	5.764	5.475	5.008	4.643	4.889
	1900	6.186	5.833	5.534	5.277	4.855	4.520	4.746
D647 	660	6.660	6.189	5.806	5.486	4.978	4.589	4.851
	1350	6.223	5.834	5.509	5.234	4.787	4.439	4.674
	1900	5.930	5.590	5.303	5.056	4.650	4.329	4.546
D422 	660	7.620	7.152	6.762	6.429	5.888	5.465	5.751
	1350	7.288	6.876	6.527	6.226	5.731	5.338	5.604
	1900	7.053	6.677	6.356	6.078	5.615	5.244	5.495
D546 	660	7.868	7.421	7.043	6.717	6.181	5.756	6.044
	1350	7.620	7.212	6.863	6.561	6.059	5.657	5.929
	1900	7.439	7.058	6.730	6.444	5.966	5.581	5.843



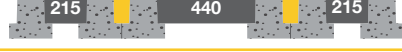

TEE-BEAM DRAWING & LOAD TABLE: 150mm x 125mm 4.3



TEE-BEAM & LOAD TABLE

PRODUCT TYPE: 150 mm x 125 mm






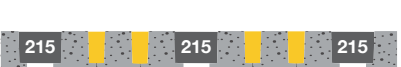
All calculations are for guideline purposes only.

Application		Block Density Kg/M3	Maximum Effective Span					Domestic Garage 75mm Reinforced Screed	
			Safe Superimposed Service Loads Kn/M2						
			1.5	2.0	2.5	3.0	4.0	5.0	
S521 	660	4.278	4.042	3.841	3.666	3.377	3.145	3.569	
	1350	4.011	3.814	3.643	3.492	3.239	3.021	3.359	
	1900	3.830	3.657	3.505	3.370	3.140	2.872	2.217	
S409 	660	4.452	4.209	4.002	3.822	3.523	3.284	3.656	
	1350	4.483	4.269	4.082	3.917	3.638	3.411	3.605	
	1900	4.296	4.105	3.938	3.789	3.534	3.324	3.471	
S296 	660	4.648	4.399	4.185	3.999	3.690	3.441	3.750	
	1350	5.167	5.930	4.723	4.539	4.227	3.971	3.923	
	1900	4.979	4.766	4.577	4.409	4.121	3.882	3.805	
D656 	660	5.135	5.876	4.657	4.463	4.136	3.871	4.380	
	1350	4.901	4.677	4.480	4.306	4.009	3.766	3.189	
	1900	4.736	4.532	4.352	4.191	3.916	3.688	4.054	
D544 	660	5.281	5.022	4.797	4.599	4.266	4.996	4.456	
	1350	5.307	5.072	4.864	4.680	4.366	4.107	4.412	
	1900	5.150	4.934	4.742	4.571	4.276	4.031	4.293	
D231 	660	5.440	5.178	4.950	5.749	4.409	4.133	4.537	
	1350	5.831	5.584	5.365	5.170	4.835	4.557	4.679	
	1900	5.694	5.463	5.257	5.073	4.755	4.489	4.583	
T566 	660	5.808	5.544	5.313	5.108	4.759	4.472	4.240	
	1350	6.116	5.866	5.644	5.445	5.102	4.816	4.428	
	1900	6.010	5.772	5.560	5.369	5.040	4.763	4.335	

4.4



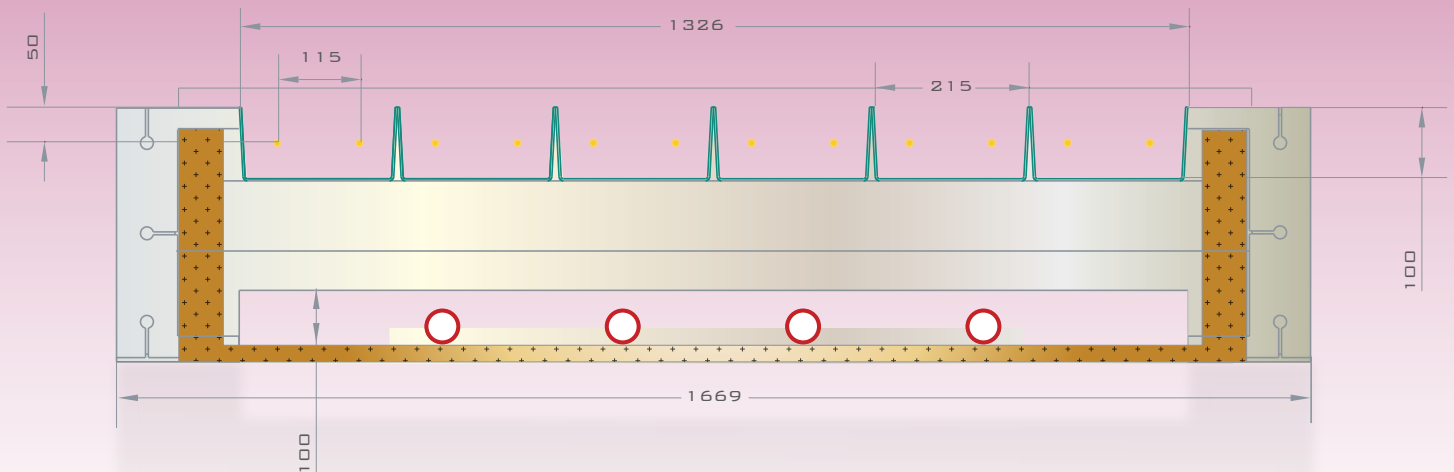
All calculations are for guideline purposes only.

Application	Block Density kg/m3	Maximum Effective Span						Domestic Garage 75mm Reinforced Screed
		Safe Superimposed Service Loads kn/m2						
		1.5	2.0	2.5	3.0	4.0	5.0	
	660	6.350	6.038	5.768	5.531	5.131	4.648	5.684
	1350	5.992	5.727	5.495	5.288	4.935	4.361	5.422
	1900	5.745	5.511	5.302	5.115	4.700	4.155	5.236
	660	6.580	6.264	5.989	5.747	5.338	5.005	5.903
	1350	6.621	6.343	6.097	5.877	5.500	5.186	6.020
	1900	6.374	6.124	5.902	5.701	5.354	5.063	5.815
	660	6.836	6.516	6.236	5.990	5.572	5.229	6.149
	1350	7.498	7.208	6.949	6.715	6.311	5.971	6.588
	1900	7.261	6.996	6.758	6.543	6.167	5.848	6.387
	660	7.416	7.099	6.818	6.568	6.140	5.784	6.730
	1350	7.125	6.842	6.589	6.262	5.970	5.642	6.509
	1900	6.916	6.656	6.422	6.211	5.844	5.535	6.348
	660	7.595	7.277	6.996	6.744	6.312	5.953	6.907
	1350	7.627	7.339	7.081	6.848	6.443	6.101	6.999
	1900	7.435	7.167	6.926	6.708	6.325	6.001	6.850
	660	7.788	7.470	7.188	6.935	6.500	6.136	7.099
	1350	8.000	7.961	7.700	7.462	7.046	6.692	7.493
	1900	8.000	7.816	7.569	7.343	6.945	6.605	7.349
	660	8.000	7.893	7.615	7.364	6.927	6.560	7.527
	1350	8.000	8.000	8.000	7.772	7.354	6.997	7.926
	1900	8.000	8.000	7.910	7.681	7.277	6.930	7.830





PRE-STRESSED LINTEL BEDS 5.0

PRODUCTS USED IN THE CONSTRUCTION OF :

- Residential Housing
- Nursing Homes
- Hotels
- Office Complexes
- Apartments
- Garages
- Any Lintel cover openings such as doors and windows



KEY

- | | |
|---|---|
|  Wire Strand 9.3mm |  Heating Pipes |
|  Lintel Mould |  Insulation |

Cross Section of Lintel Bed

INTRODUCTION

A high quality affordable system for the production of lintels the MACFAB pre-stressing Lintel System creates a stronger and lighter product. Materials are used to there maximum potential by adding high strength tension during casting.

PRODUCTION OF LINTELS

The benefits of our system start at production and constantly deliver practical and cost effective solutions throughout the life span of the build. During the casting of the lintels Stop Ends are placed at designated sections according to length requirements. Creating this division during casting stage means lintels no longer have to be cut to size. Hence removing the need for expensive concrete cutting equipment quicker production time and less labour.

DESIGNED TO BE BETTER

Our Pre-Stress System uses considerably less concrete per lintel giving a sizable saving on materials. This lighter more dynamic design means lintels no longer need to be bulky and cumbersome. Lintels are easier to lift, transport and place into position on site.

LINTEL IMAGES



Lintel Stop End

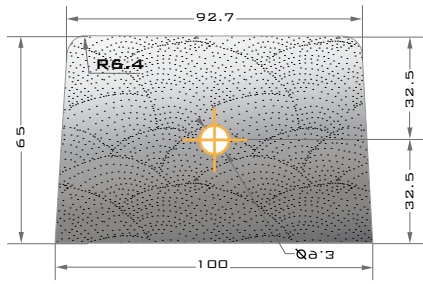


Removal of lintels from bed



Lintels stacked

LINTEL DRAWING & Load Tables 5.2

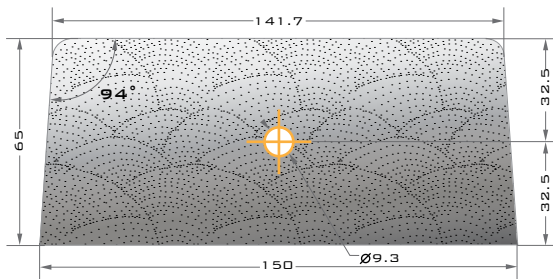


LINTEL & LOAD TABLE

PRODUCT TYPE: 100 mm x 65 mm

All calculations are for guideline purposes only.

150MM X 100MM 9.30 STRAND	NON-COMPOSITE LITEL								
	0.9m	1.2m	1.5m	1.8m	2.1m	2.4m	2.7m	3.0m	3.3m
	11.984	6.944	4.462	3.059	2.190	1.615	1.215	0.925	0.708

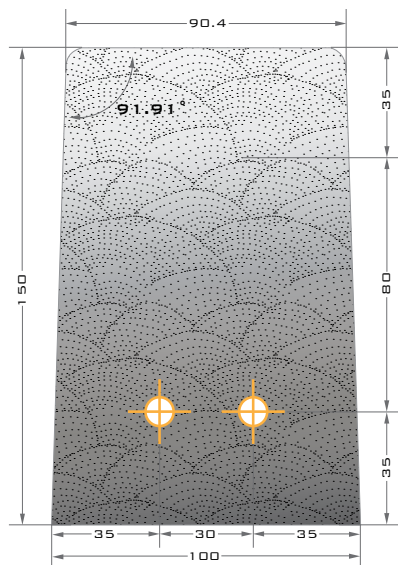


LINTEL & LOAD TABLE

PRODUCT TYPE: 150 mm x 65 mm

All calculations are for guideline purposes only.

150MM X 65MM COMPOSITE LITEL 9.30 STRAND									
Clear Span	600	900	1200	1500	1800	2100	2400	2800	3100
Without Brickwork	12.50	12.50	5.20	3.70	2.20	2.00	0.79		
1 Layer of Brickwork	13.61	13.61	9.26	6.50	3.02	2.31	1.81		
2 Layers of Brickwork	28.00	28.00	10.26	8.25	5.00	3.30	2.78	1.71	1.44
3 Layers of Brickwork	29.50	29.50	25.00	10.00	6.00	4.66	3.98	2.60	2.19
5 Layers of Brickwork	32.00	32.00	30.00	16.50	13.00	9.15	8.00	5.00	4.75



LINTEL & LOAD TABLE

PRODUCT TYPE: 100 mm x 150 mm

All calculations are for guideline purposes only.

100MM X 65MM COMPOSITE LITEL 9.30 STRAND									
Clear Span	600	900	1200	1500	1800	2100	2400	2800	3100
Without Brickwork	8.75	6.5	3.9	2.6	1.8	1.4	1.1		
1 Layer of Brickwork	10.50	9.00	7.01	5.00	2.75	1.62	1.31		
2 Layers of Brickwork	12.00	10.21	10.21	8.00	4.38	2.75	1.46	1.35	1.31
3 Layers of Brickwork	16.25	16.25	16.25	9.37	5.75	4.44	2.50	2.25	2.00
5 Layers of Brickwork	30.00	30.00	30.00	15.37	12.00	8.00	4.75	4.50	4.25

OUR PRE-STRESSED BEDS CREATE PRODUCTS FOR A RANGE OF BUILDS:

FLOORING BED

- Residential Housing
- Nursing Homes
- Hotels
- Garages
- Car Parks
- Office Complexes
- Apartments
- Any medium to large construction

WALLING BED

- Bulk Grain-Stores
- Earth Retaining Walls
- Waste Transfer Stores
- Agricultural Buildings
- Foundations
- Security Walls
- Studios
- Warehouses
- Factories
- Any building using a steel structure

TEE BEAM BED

- Ground Floor
- First Floor
- Second Floor

LINTEL BED

- Residential Housing
- Nursing Homes
- Hotels
- Office Complexes
- Apartments
- Garages

FOR MORE INFORMATION CONTACT YOUR SALES REPRESENTATIVE:

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PATENTS APPLY TO ALL PRE-STRESSING BEDS IN THE MACFAB RANGE

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