moyleengineering

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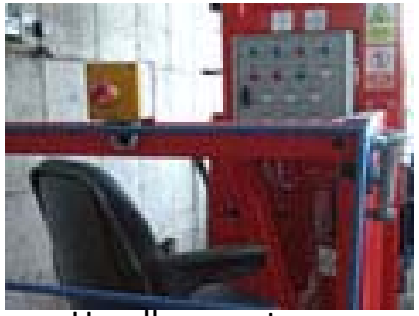
Moyle Engineering- Manufacturers of innovative machinery and equipment for the precast concrete industry- Moyle Engineering offer quality solutions for the efficient production of precast throughout Europe.


13'
13'
13'
13'
13'
13'

MH Series Handler System

Handler working with moulds and turning out table



Handlers seat, joystick and control panel.

Features: Variable piston hydraulic pump; Large hydraulic flow rate; Proportional Hydraulic Control; PLC controlled safety; Robustness; Low Maintenance

Moyle Engineering Ltd has introduced the MH4000 & 5000 series handling machine - capable of handling precast concrete moulds specifically produced by Moyle. Using the latest technology available in hydraulic and electronic control, operators will enjoy a comfortable and safe working environment.

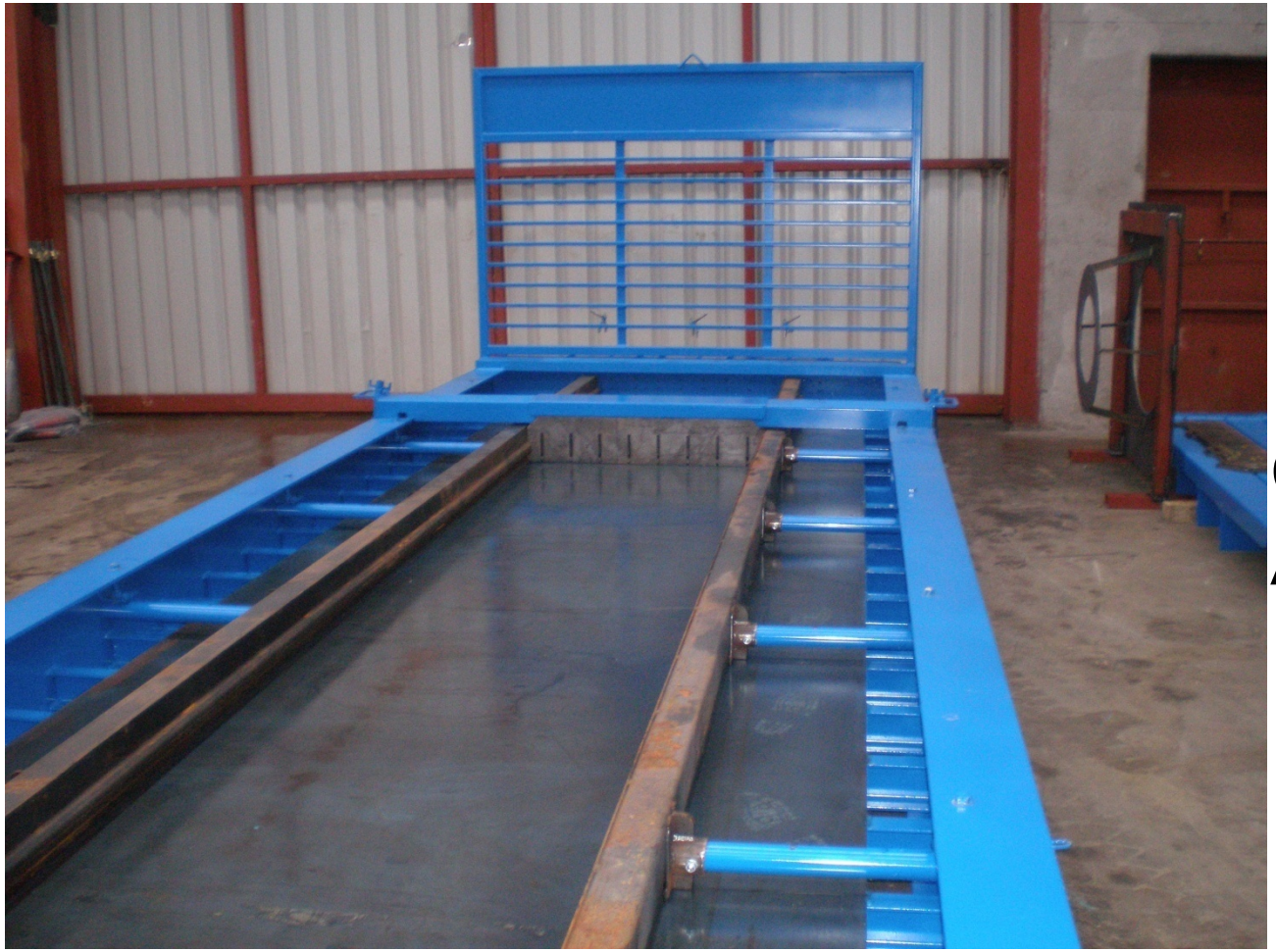
VIBRATING TRESTLES

FIGURE 8 CEPTIC TANK MOULD

ABOVE: CEPTIC TANK MOULD

RIGHT: CEPTIC TANK

WALL PANEL BED



FOR THE MANUFACTURE OF 1M, 1.2M AND 1.5M WALL PANELS

COLUMN MOULD

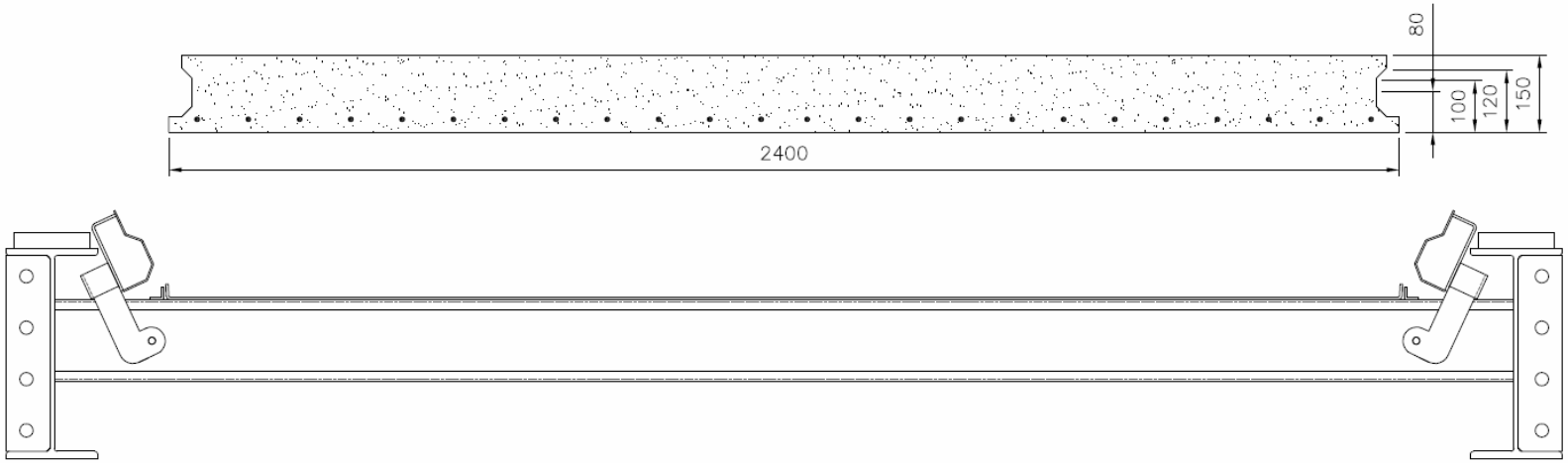
FOR THE MANUFACTURE OF
FINISHED CONCRETE COLUMNS

ADJUSTABLE COLUMN MOULD

TO MANUFACTURE FINISHED
COLUMN PILLARS

FLOORING BEDS

TO MANUFACTURE
2400MM PRESTRESSED
FLOORING

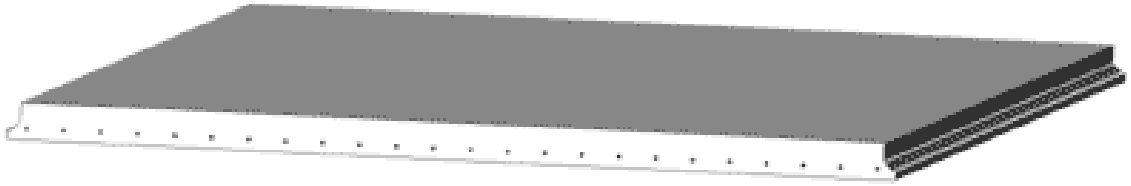


This wide slab composite flooring solution is available in 2400mm wide units. Our prestressed system of producing plate flooring allows spans of 9.50m to be achieved with ease. A finished floor will comprise of prestressed Wide Slab units, with shear key connectors across joints at mid span, a structural screed and normal mesh reinforcement. Due to the 2400mm width of units and projecting lifting hooks from the top surface, it is possible to erect 1500 square metres of slab in a day. This speed of erection ensures very significant on-site cost savings. Our manufacturing and casting systems allow great flexibility in forming awkward shapes and service openings.

Load/Span Table

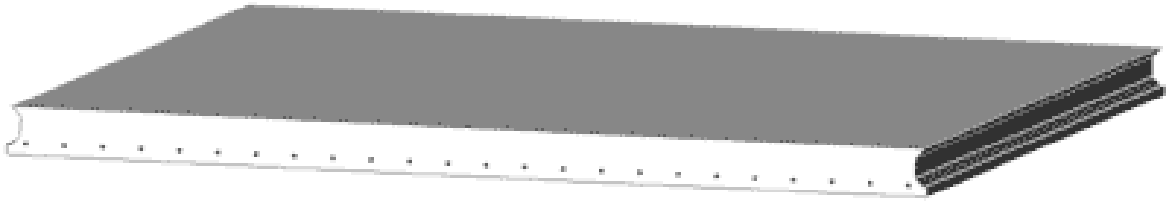
Precast Slab Depth (mm)	Structural Screed Depth (mm)	Overall Floor Depth (mm)	Applied Load kN/sq. m. Effective Spans (m).								
			1.5	2	2.5	3	3.5	4	5	6	7
80	75	155	5.9	5.8	5.75	5.7	5.6	5.5	5.4	5.1	4.9
100	75	175	6.7	6.6	6.5	6.4	6.3	6.2	6	5.7	5.4
100	100	200	7.6	7.5	7.4	7.3	7.1	6.9	6.5	6.2	5.9
120	100	225	8.5	8.4	7.1	7.8	7.6	7.4	7	6.6	6.4
150	100	250	9.1	8.8	8.5	8.3	8	7.8	7.4	7.1	6.8

Wideslab 100



Concrete Density = 2.44 tonnes/m³ | Steel Weight = 801kg/bed | Steel Weight = 3.33kg/m²						
Floor Depth	**Weight/m²**	**Weight/lin.m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
2.4m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
100mm	0.247	0.594	105	44	59.36	24

Wideslab 125



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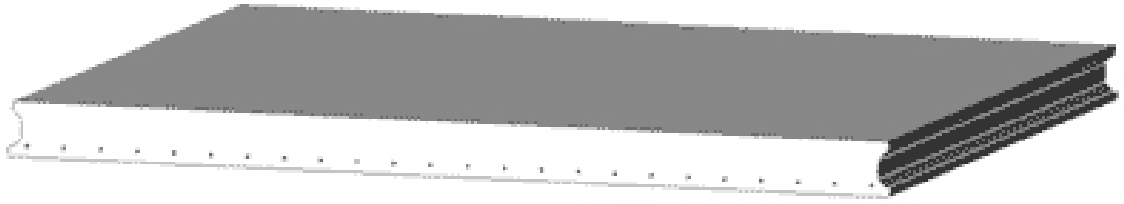
Floor Depth	**Weight/m²**	**Weight/lin.m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
2.4m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
125mm	0.308	0.740	84	35	74.00	30

Wideslab 150

Concrete Density = 2.44 tonnes/m³ | Steel Weight = 801kg/bed | Steel Weight = 3.33kg/m²						
Floor Depth	**Weight/m²**	**Weight/lin.m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
2.4m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
150mm	0.369	0.886	70	29	88.64	36

Wideslab 175



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2.4m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
175mm	0.430	1.033	60	25	103.28	42

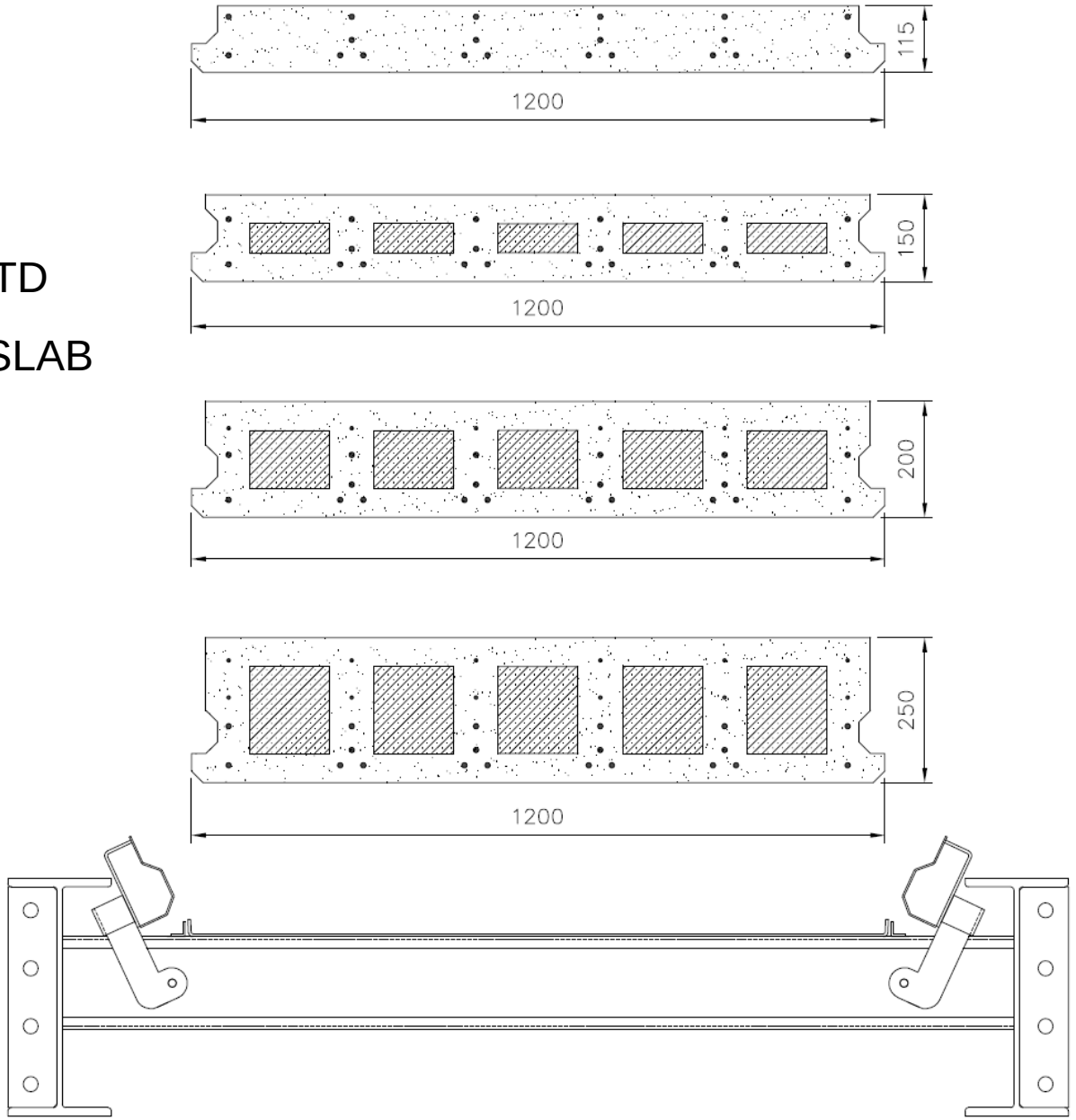
FLOORING BEDS

TO MANUFACTURE 1200MM PRESTRESSED FLOORING

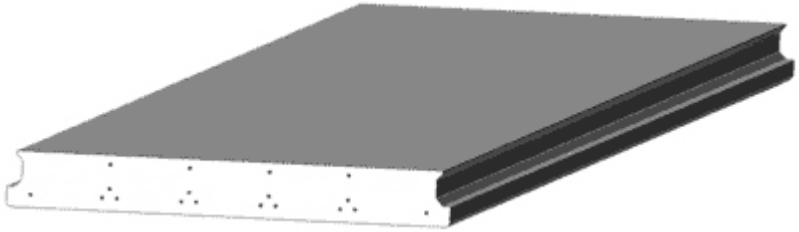
MOYLE ENGINEERING LTD

PRESTRESSED FLOOR SLAB

1200MM

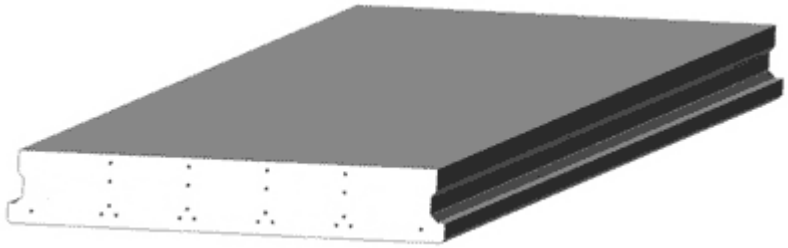


Hollowcore 150



Concrete Density = 2.44 tonnes/m³ | Steel Weight = 4.00.5kg/bed | Steel Weight = 3.33kg/m²						
Floor Depth	**Weight/m²**	**Weight/lin. m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
1.2m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
150mm	0.267	0.320	97.5	81.2	32.0	15

Hollowcore 200



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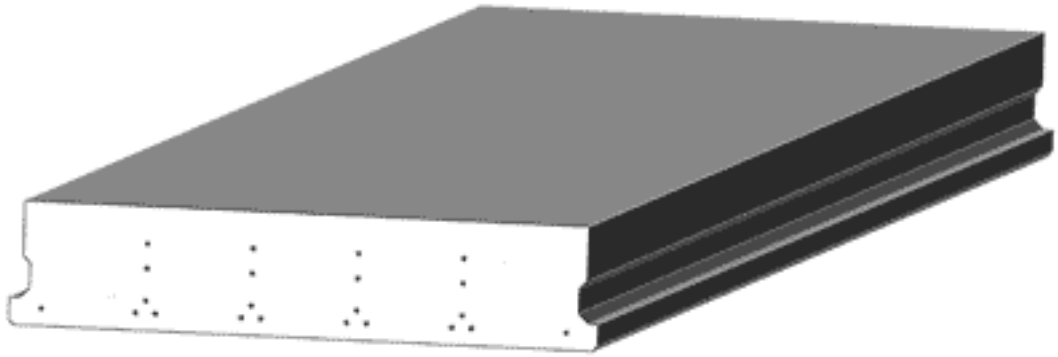
Floor Depth	**Weight/m²**	**Weight/lin. m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
1.2m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
200mm	0.318	0.382	81.7	68.1	38.2	21

Hollowcore 250



Concrete Density = 2.44 tonnes/m³ | Steel Weight = 4.00.5kg/bed | Steel Weight = 3.33kg/m²						
Floor Depth	**Weight/m²**	**Weight/lin.m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100m**	**Volume**
1.2m	Tonnes	Tonnes	m²	m	Tonnes	Concrete m³/bed
250mm	0.368	0.442	70.6	58.8	44.2	27

Hollowcore Precast Concrete

Concrete Density = 2.44 tonnes/m³ | Steel Weight = 4.00.5kg/bed | Steel Weight = 3.33kg/m²						
Floor Depth	**Weight/m²**	**Weight/lin. m**	**m²/26 tonnes**	**lin.m/26 tonnes**	**Weight/100 m**	**Volume**
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Wideslab Precast Concrete

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125mm	0.308	0.740	84	35	74.00	30
150mm	0.369	0.886	70	29	88.64	36
175mm	0.430	1.033	60	25	103.28	42

The Benefits of Concrete

FIRE-

Concrete walls and floors resist all of the effects of fire for up to eight times longer than traditional timber joisting.

THERMAL INSULATION-

Concrete acts as a thermal reservoir, absorbing and retaining heat and eventually returning it to the atmosphere. Concrete will take in heat when your radiators are turned on and slowly return it to the environment when radiators are turned off.

SOUND-

Tests on actual wall construction show that 100 mm masonry walls achieve between 41 and 46 decibels reduction in sound compared to only 31 to 35 decibels for standard timber stud partitions. The difference in performance is particularly significant when one takes into account that the measurement of sound is based on a logarithm scale. In simple terms, a concrete masonry wall will let less than half the sound through compared with a normal lightweight timber stud partition.

DURABILITY-

It's worth remembering that many brick and block houses built during the eighteenth and nineteenth centuries are still standing while lightweight prefabricated designs are relatively new and untested. In fact, lightweight timber prefabricated housing is currently being investigated by the Department of the Environment "to establish suitable standards" Only the test of time will tell how they will perform, but experience would suggest that they would not be as durable as brick and block.


HYSTER
1986
HYSTER 5.50
DENNISON
LONG
VEHICLE

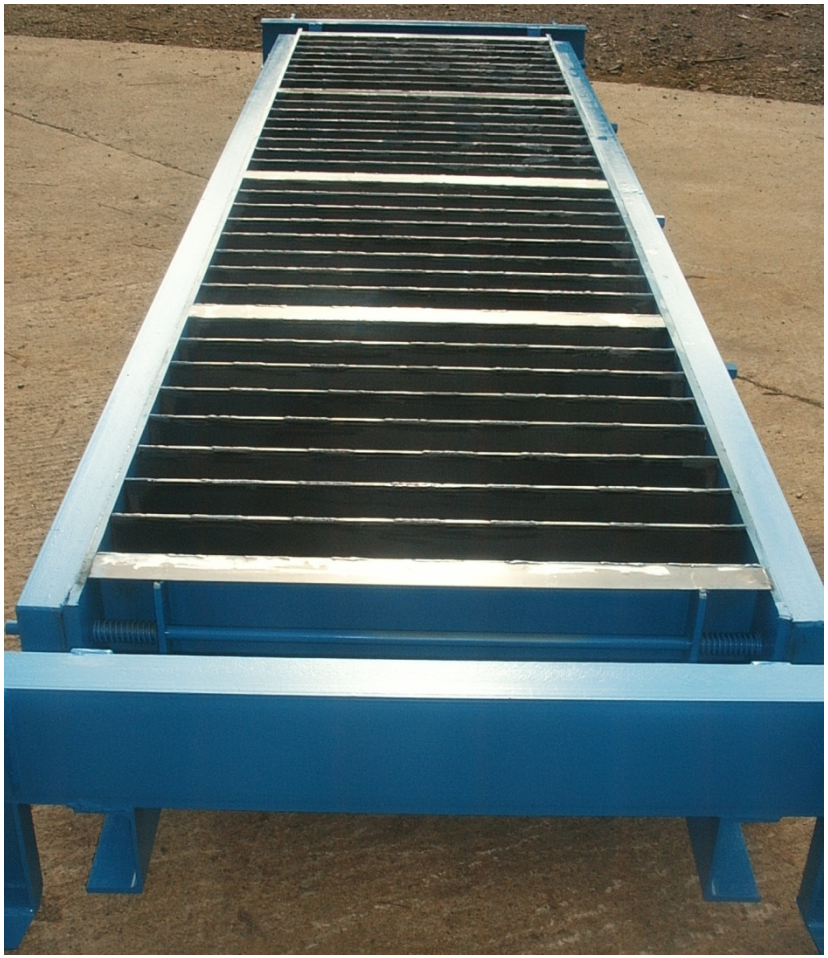
CEPTIC TANK

CEPTIC TANK MOULD

CEPTIC TANK

WATER DRINKER MOULD

OTHER MOULDS

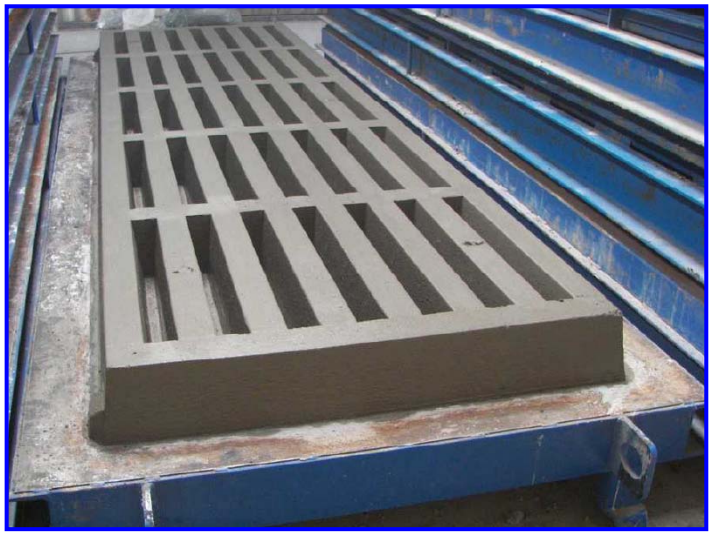


KERB MOULD

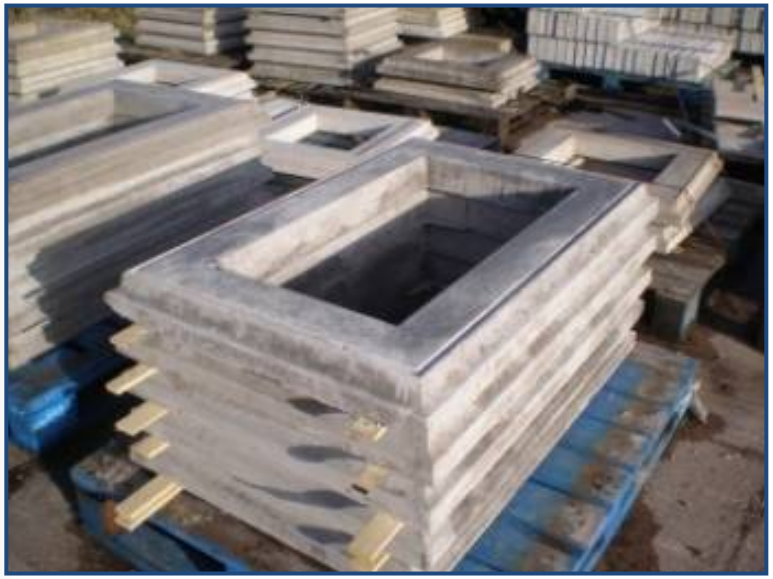
STONE WALL MOULD

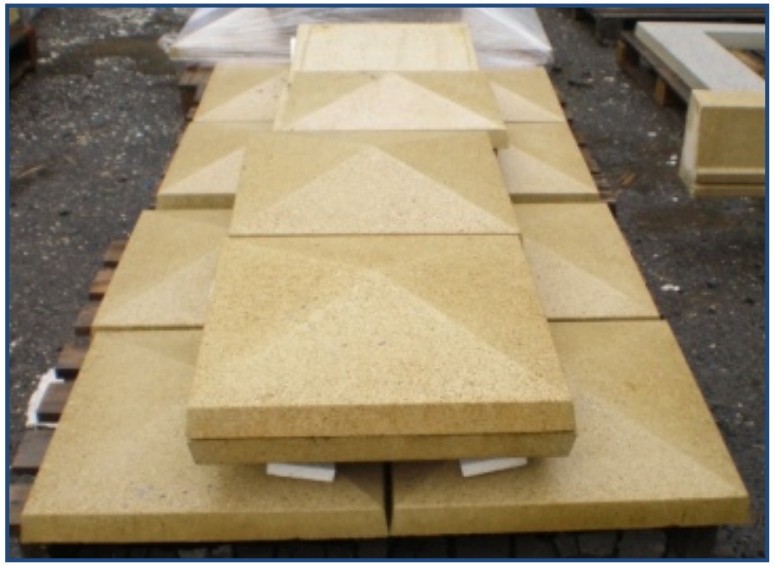
WINDOW CILL MOULD

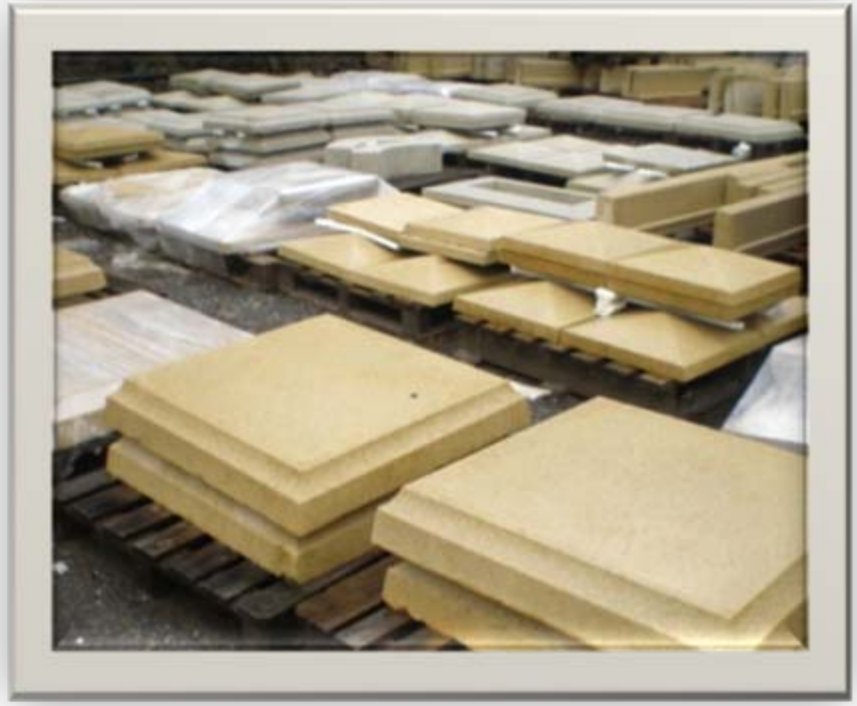
AGRICULTURAL PRODUCTS

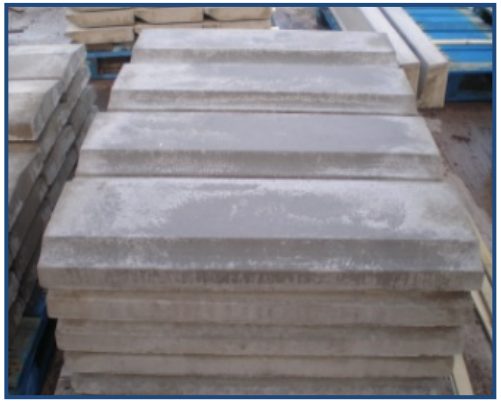


DOMESTIC PRODUCTS



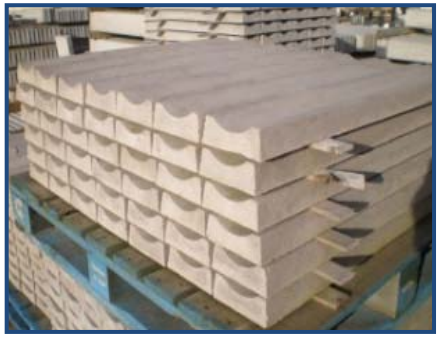








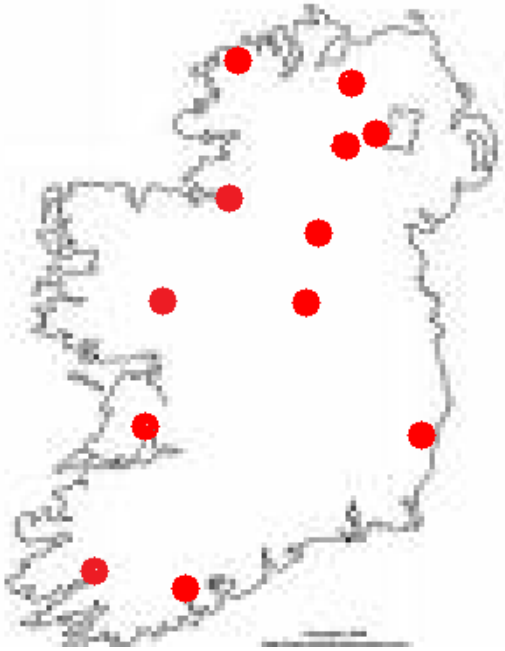



COMPANY PROFILE

Moyle Engineering Limited is a leading manufacturer of machinery and production equipment for the precast concrete industry. Based in Co. Tyrone, N. Ireland, we offer many years experience in precast concrete production.

Our primary goal is to manufacture superior equipment to produce wet and dry cast concrete products – to the highest possible standard, and above all efficiently. With this in mind, Moyle Engineering has developed a range of robust, durable equipment incorporating the latest technology. We have solutions for all types of mouldage (including pre-stressed), mould handling, feed systems, and vibration. We pride ourselves in looking after customer needs and recognize the need for short lead times. To achieve this Moyle Engineering implement advanced manufacturing methods incorporating the latest 3D CAD design software, CNC processing machinery etc. We are confident that we can produce solutions to customer's exact specification.



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