



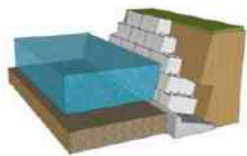
CONCRETE

Business in a Box

- Business plan
- Equipment
- Batching plant
- Marketing materials

Content

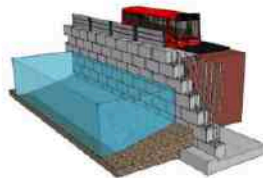
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River Protection



Piling Mats



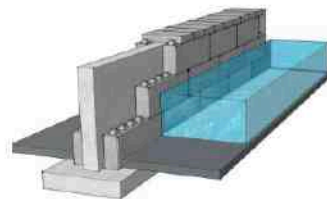
Sea Walls



Fish Ladders



Gravity Retaining Walls



Flood Defence

Concrete Business in a Box

We have put together several concrete business ideas that will help you build a concrete business.

The more concrete you can sell the more money you will make.

The first part of the business plan is the business case to purchase the batching plant and twenty steel block moulds to make concrete blocks you can sell.

The business case is a starter pack that will produce 400 m³ of concrete per month.

When you add more business ideas as our plan, the business opportunity becomes very profitable.

The art of making money is the capability to sell concrete blocks and concrete.

We have also provided you with marketing ideas and materials, that can be branded to suit your business.



Business Plan

The more concrete you can sell the more money you will make. Our mission is to inspire you to grow a concrete business that will make you money.



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Business Case Data

		10 Moulds	20 Moulds	40 Moulds	
Monthly Sales Volume m3	134	200	400	800	1000
Monthly Profit after Production Costs	€4,000	€6,000	€12,000	€24,000	€30,000
Finance Monthly	€4,000	€4,000	€4,000	€4,000	€4,000
Gross Profit After Finance Per Month	-	€2,000	€8,000	€20,000	€26,000
Annual Profit	-	€24,000	€96,000	€240,000	€312,000



Batching Plant



Lifting Equipment



Block Lifting Bolts



Molds Molds



Block Turner



Small Plant

- 1 off B1800 batching plant
- 1 Off 40, ton cement silo
- 1 off 18m x 1m conveyor
- 20 off 800 x 800 x 1600mm block molds
- 1 off block lifter
- 1 off block turner
- 1 off vibrating poker
- 1000 lifting bolts
- 200 bolt gromets
- 40 bolt magnets
- 4 Lifting clutches

Profit per m3 = €30
Plant monthly capacity 4,800 m3



FIBO FINANCE

No Payments for Twelve months
+
Return on investment less than twelve months
=
A positive cashflow

FIBO FINANCE

KEY BENEFITS

Fibo Batching plant has a return on investment between 6 and 12 months.

No payment for 12 months allows the plant to generate the cash to pay for itself.

Finance your project - Buy moulds, cement silos, bucket loaders and concrete batching plant.

Everything you need to set up a new business for pre-cast, on-site and remote site concrete production.

Fibo Finance is a great way to grow and build your business.

Great for:

- Sweating the machine to earn money to pay for itself.
- No need to borrow or use your own capital.
- Having a positive cashflow and owning your new plant.
- Great to finance all your construction plant for a project.



“IT’S THE WORLD’S BEST KEPT SECRET AND GREAT FOR YOUR BUSINESS”

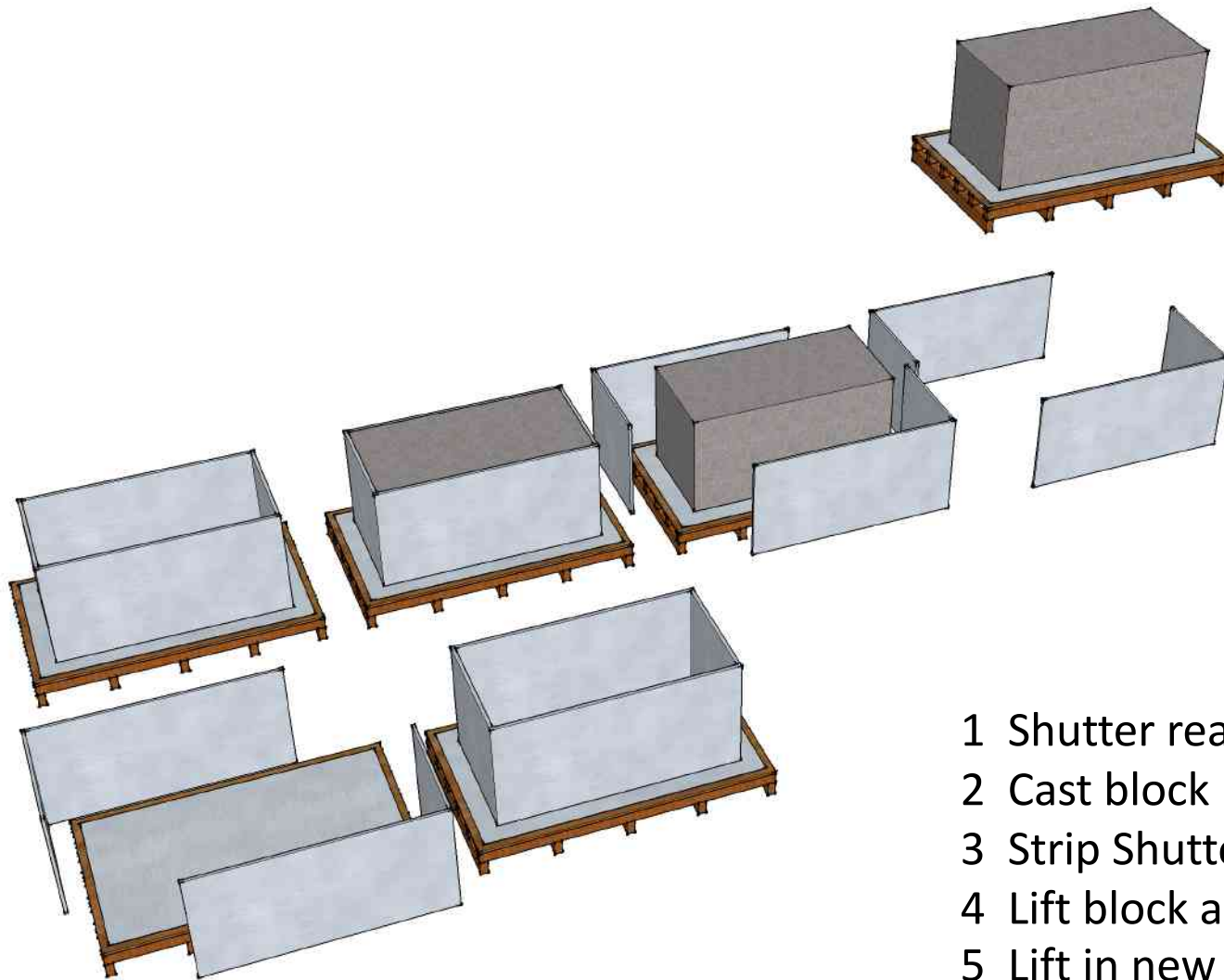


Production Planning



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Production Process

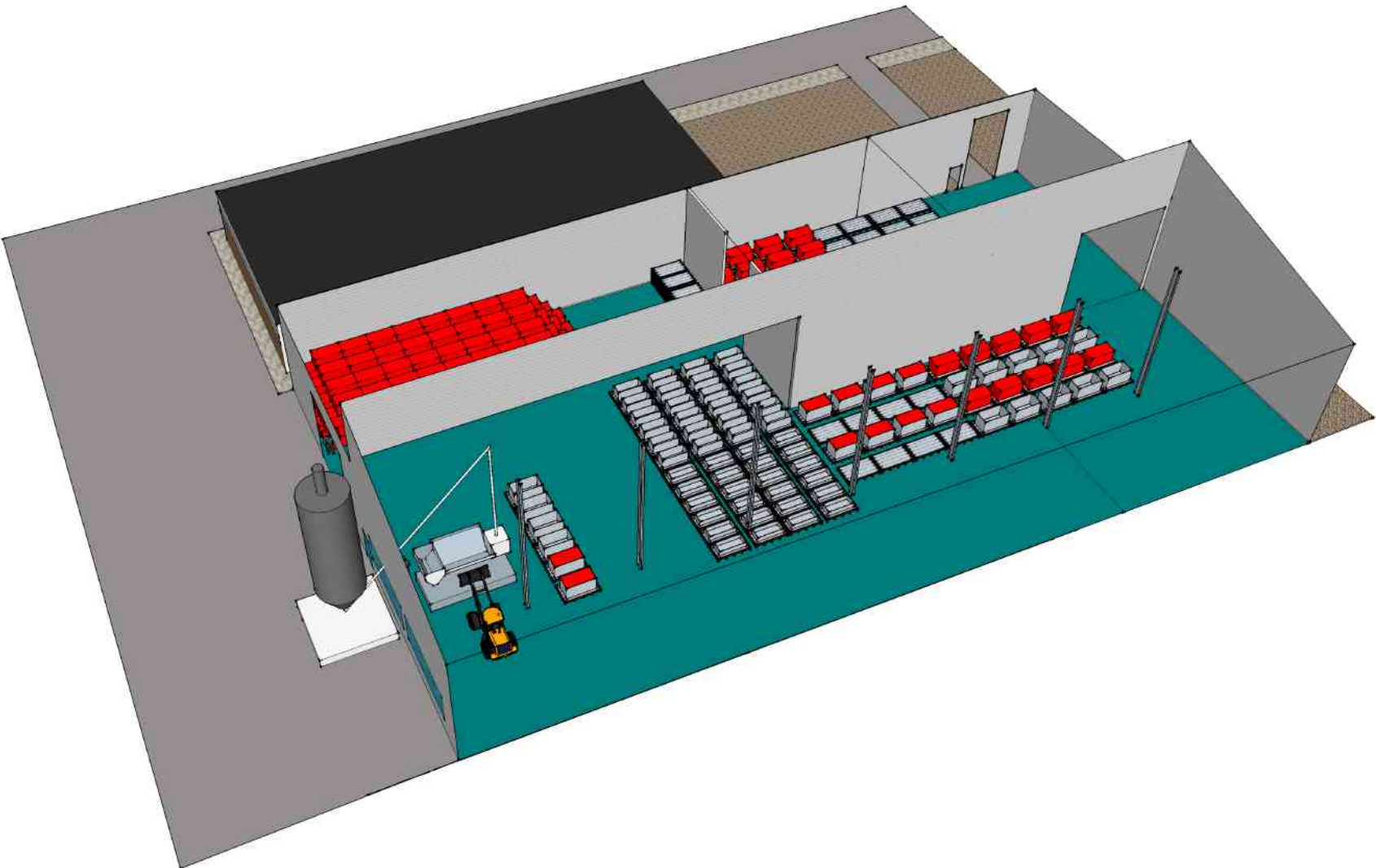


- 1 Shutter ready for casting
- 2 Cast block
- 3 Strip Shutter
- 4 Lift block and pallet A from casting area
- 5 Lift in new pallet B, clean and build shutter
- 6 Shutter ready for casting



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Small Block Production Factory Setup





Business Ideas

Business Ideas



CONCRETE INTERLOCKING BLOCKS

There are many ways that concrete interlocking blocks can be used in large numbers. For example:

1. Retaining walls
2. Material storage bays
3. Buildings
4. Sea defense projects
5. River erosion protection



Business Ideas

SELLING CONCRETE

Builders merchants and recycling companies sell concrete to the public and small contractors where they collect the concrete from your site.

Fibo have developed concrete to collect software to make the concrete sales simple and automated.

Your customer buys the mix and quantity of concrete from you. You give him a receipt that includes a code.

The customer put the code into the plant, and the plant automatically batches and dispatches the concrete.



SOIL STABILISATION

In Belgium they use a semi-dry mix of recycled aggregates and cement and use it under foundations and road construction.

The mix hardens and improves the ground bearing capacity for construction.

The process is big business in Belgium and there are many companies making money from this solution.



Business Ideas

RENTING MOBILE BATCHING PLANTS

Renting Fibo concrete batching plant makes sense. The plant produces weight batched high quality concrete.

Mobile batching plants are used on inner city projects, remote sites such as Islands, wind farm locations, remote bridge construction and small construction sites.

Many construction companies prefer to rent than purchase Fibo batching plant. This make a great opportunity for construction plant businesses or to rent the plant out when you are not using it on your projects.



Business Ideas



NEW HOUSING PROJECTS

We sell a lot of Fibo batching plant for remote housing projects in Africa. The plants are used to manufacture concrete blocks and to make concrete for foundations.

House block manufacturing making between 15,000 to 25,000 blocks per day.

Blocks can be made using a mix of recycled materials supporting the circular economy.

We can design and build the whole solution



Business Ideas



RECYCLING CONSTRUCTION MATERIALS

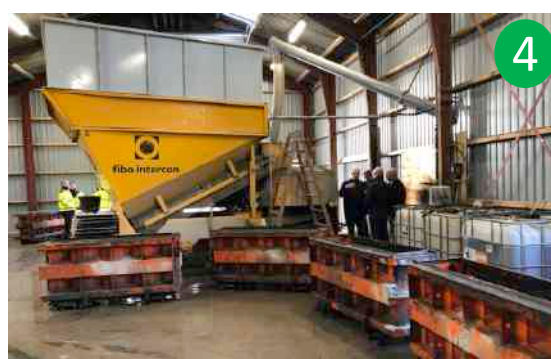
We have many customers who recycle construction materials such as:

- Demolition concrete
- Sanitary ware
- Glass
- Road sweepings

They then make concrete interlocking blocks from the recycled aggregates and sell them. This is a very economical business, as you get paid to take in the materials as well as for selling the blocks.

PHOTO KEY

1. F2200 recycling concrete batching plant
2. Sanitary ware waste
3. Crushed sanitary ware
4. Concrete production
5. Completed blocks





Batching Plant

B1200

B1800

M2200

The B Range of batching plant is a mobile type.

Productivity: 10 to 45 m³ / hour.

Dosing accuracy $\pm 1-3\%$ and $\pm 1\%$ with pre-weight cement



This concrete plant is mounted on a metal frame with an axle and wheels.

It has a concrete mixer, two separate built-in inert hoppers, two independent conveyors, a water tank, weight sensors, equipment for dosing and a computer to control the operation.

It is supplied with a high-pressure washer, and the hoppers can be raised to increase capacity.

The plant can be transported on a flat deck wagon trailer, or towed on public roads up to 30 km/h.

B1200 B1800 M2200



TECHNICAL SPECIFICATIONS

		B1200	B1800	M2200
Productivity	M ³ /hour	10/16	20/30	25/45
Volume (gross)	L	1200	1800	2200
Volume mixed material	L	800	1100	1400
Motor	kW	15	30	55
Mixing arms/side scrapers	pcs	5/1	5/1	5/1
Aggregate hoppers	pcs	2 x 2.4m ³	2 x 2.4m ³	2 x 2.4m ³
Water tank	L	250	500	500
Dimensions W x H x L	M	2.37, 2.57, 5.7	2.5, 2.57, 6.3	2.5, 2.57, 6.5
Weight	kg	3900	6500	8000
Supply voltage	V/A	400/32	400/80	400/125

ALUMINIUM CONCRETE CONVEYOR



The Fibo aluminium belt conveyor is supplied in widths of 0.8 m and 1 m – and lengths of 8 – 14 m.

Our aluminium belt conveyor is especially suited to carry gravel, sand, lightweight aggregate and concrete mixes.

The conveyor is built on two strong aluminium profiles and all other parts are galvanized.

A plough scraper is fitted onto the conveyor belts, which ensures that the internal sides of the belts are kept clean.

A band scraper, that scrapes material off the top side of the belts at the discharge point, is also fitted onto the belts.

All belt conveyors are delivered complete with drum motor with integrated gearbox, inlet and outlet funnel.

The belt conveyors are also delivered with lifting eyes for easy transportation.

CONVEYORS CAN BE SUPPLIED WITH WHEELS AND ARE FULLY ADJUSTABLE

Standard Sizes:

0.8 x 8 M
0.8 x 10 M
0.8 x 12 M
0.8 x 14 M

1.0 x 8 M
1.0 x 10 M
1.0 x 12 M
1.0 x 14 M

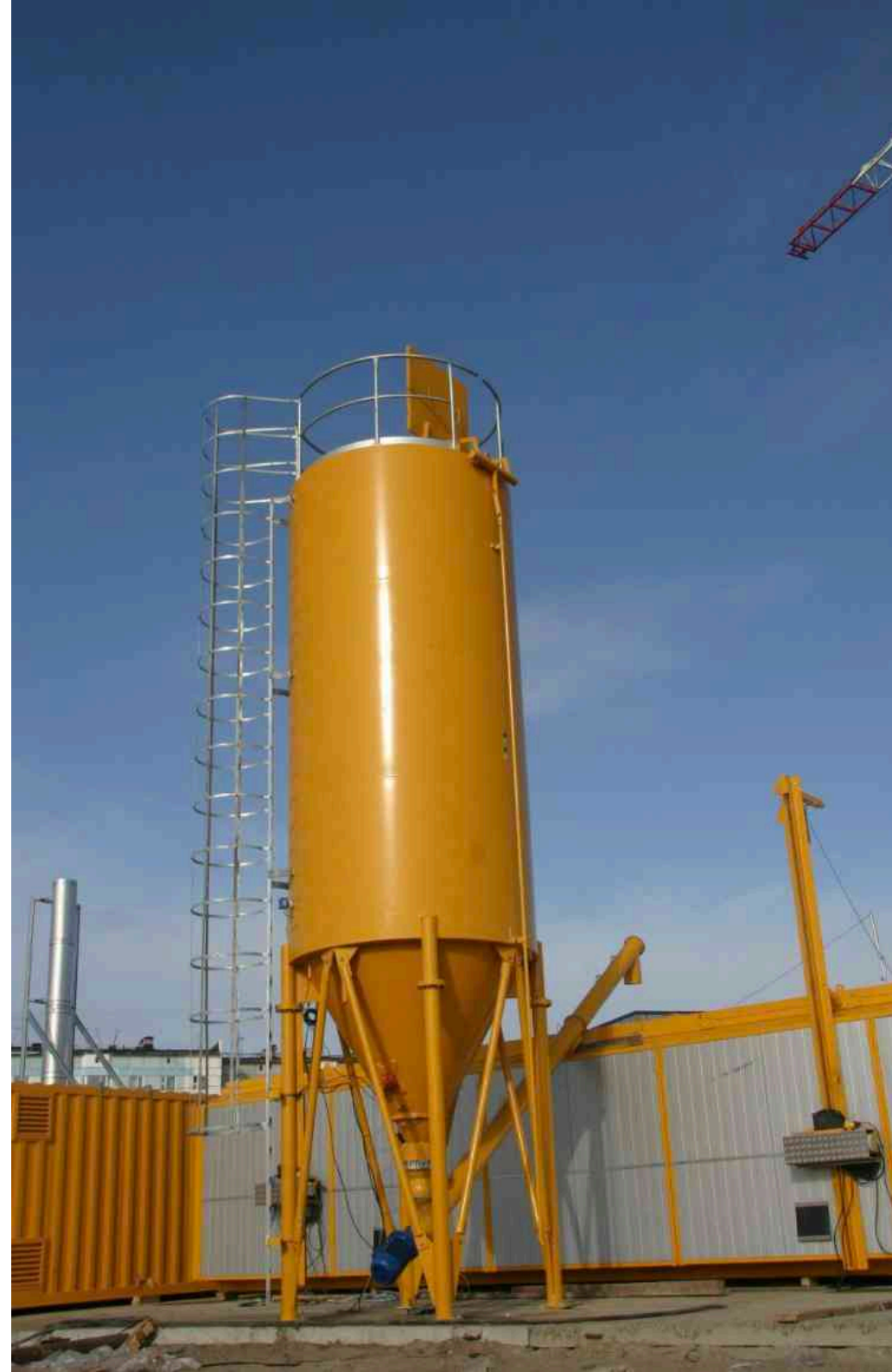
1.2 x 8 M
1.2 x 10 M
1.2 x 12 M
1.2 x 14 M

VERTICAL CEMENT SILO

Fibo cement silos are fully welded constructions and can be filled by big bags or a cement tanker.

Designed for filling with big bags of easy-flowing material with a density up to 1.6 T/M^3 e.g. Portland cement with a bulk density of 1.13 T/M^3 .

Capacity from 3 to 40 m^3



BIG BAG CEMENT SILO



3 ton vertical big bag cement silo with height-adjustable support legs.

Designed for easy-flowing materials such as Portland cement or lime with a bulk density of 1.13 tonnes/M³.

The big bag silo comes with a platform to conform with EU health and safety regulations as standard.

Delivered complete with cement auger, counterweight for cement auger, cone with outlet flange, top hatch, grid for cement inlet, control unit, vibrator, lifting devices and lifting device for transportation with a forklift truck.

The big bag silo is ideal for small concrete batching set ups. For mobile batching plant, when you want to move it from site to site for a fast set up and go, the big bag silo does the job.



Marketing Materials



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CONCRETE BLOCK

IDEAS

- Build a concrete block business
- Learn how you can market and sell concrete blocks
- Learn about the different types of molds you can buy

Marketing Brochure

We have a number of marketing brochure we can rebrand for your use.

The main one we have for marketing concrete interlocking blocks can be found on our download page on the website.

The cover looks like the image on the left.

A sample of the contents is below.

Sell More Interlocking Blocks

Interlocking Concrete Block Ideas



River Protection Reinforced Earth Walls Shooting Range

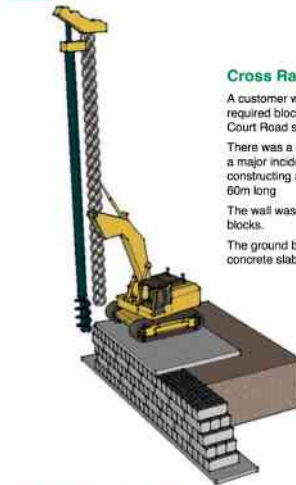
Fish Ladders Gravity Retaining Walls Flood Defence

Sea Walls Piling Mats Buildings

Innovative Engineering Solutions for Designers, Suppliers and Contractors

www.fibointercom.co.uk

Temporary Works




Cross Rail London

A customer working on the Crossrail project in London required blocks to construct a piling mat at the Tottenham Court Road site.

There was a risk of the piling machinery slippage and cause a major incident. The risk was designed out by constructing a piling mat foundation 1.8m wide x 3m high x 60m long.

The wall was built using 1600 x 600 x 600 concrete blocks.

The ground behind the wall was then back filled and a concrete slab cast over the top.



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Gravity Retaining Walls

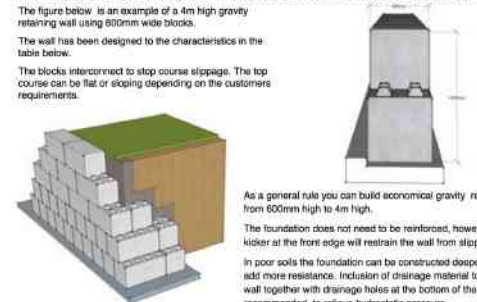
Gravity retaining walls are a basic design and rely on the mass of the wall to retain the earth behind.

A very simple method to design a gravity retaining wall is to use the base width x 2 to calculate the height.

The figure below is an example of a 4m high gravity retaining wall using 600mm wide blocks.

The wall has been designed to the characteristics in the table below.

The blocks interconnect to stop course slippage. The top course can be flat or sloping depending on the customers requirements.



As a general rule you can build economical gravity retaining walls from 600mm high to 4m high.

The foundation does not need to be reinforced, however providing a kicker at the front edge will restrain the wall from slippage.

In poor soils the foundation can be constructed deeper and wider to add more resistance. Inclusion of drainage material to the back of the wall together with drainage holes at the bottom of the wall is recommended to relieve hydrostatic pressure.

Retaining wall design guidelines only. Wall need to be designed by a structural engineer to check for stability and ground conditions. Call 07896 246 224 for retaining wall support.

Height	1200	1400	1600	2400	3000	3200	4000
Block Type	600	800	600	800	600	800	800
Base Width	800	1000	1400	1800	2600	2600	2600
Base Depth	100	100	100	100	100	100	100
Surcharge	2.5kn/m ²	2.5kn/m ²	2.5kn/m ²	2.5kn/m ²	2.5kn/m ²	2.5kn/m ²	2.5kn/m ²
Factor of Safety	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5
Cost Index	30	41	42	73	77	89	125
Sketch							

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Sell More Interlocking Blocks

Fire Walls

A1 Fire Rated

Concrete has a very high ignition temperature and has an A1 fire rating to 4.3.4.4 of EN 13369. Concrete simply cannot be set on fire like some other materials in a building. It is resistant to smoldering materials, which can reach very high temperatures, igniting or even re-igniting a fire, and flames from burning contents. It will also not drip molten particles, which can cause ignition, unlike some plastics and metals.

Concrete has a high degree of fire resistance and, in the majority of applications, can be described as fireproof when designed using required standards. Concrete is a very effective fire shield. The mass of concrete confers a high heat storage capacity. Its porous structure provides a low rate of temperature rise across a section. These properties result in a low rate of temperature rise that enables concrete to act as an effective fire shield.

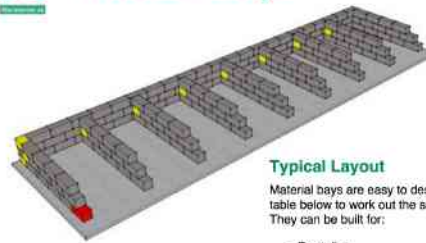
Concrete Lego Blocks designed to be stable make an excellent fire wall

**CLASS A1
FIRE RESISTANT**



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Material Bays

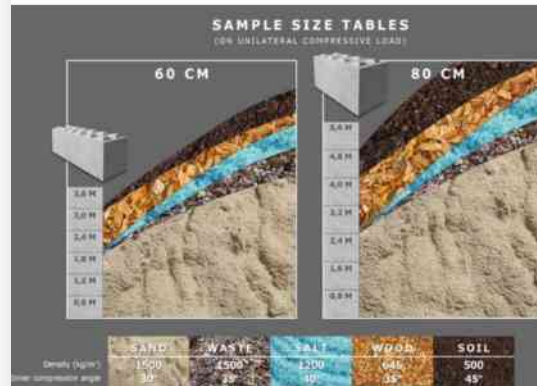


Typical Layout

Material bays are easy to design and build. Use the table below to work out the safe height of the wall. They can be built for:

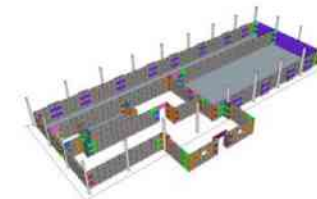
- Recycling
- Building Materials
- Scrap bays

Wall Height Guide



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Buildings



Shooting Range

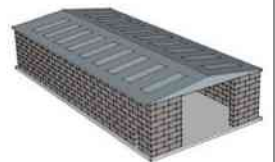
This is an example of a structure built using 300mm concrete blocks. To make construction easy on site the work was scheduled in layers. Each layer was transported on a load as per the design to construct layer wise. Thus, achieving a build within a short deadline.

Storage Buildings

300/400mm wide concrete blocks are ideal for the construction of storage buildings. The walls can be restrained using the roof structure. The buildings are not suitable for habitat as they do not comply to heat loss within the building regulations.

They are ideal for a large range of storage applications such as:

- Salt barns
- Plant storage



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Sell More Interlocking Blocks

 Tetrapod Moulds





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 Highway Concrete Barriers



Concrete Slabs





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With good marketing
you could multiply
your existing
production from

10 m³ per day to
30/40 m³ per day



CUSTOMER STORIES

Case Study

Vierendeel Beams and Columns for 22 Hanover Bond, London

Our customer Barret's of Asbury won the project to fabricate the feature Vierendeel frame to the facade of 22 Hanover Bond for their client Clivedale.

Clivedale is an independent super-prime developer based in Mayfair, London with an expanding portfolio of luxury real estate including residential, commercial and hotel projects in some of the Capital's most prestigious addresses.

The Vierendeel columns are manufactured from steel plate and reinforced with rebar, then filled with pigmented concrete to offer a unique architectural look.



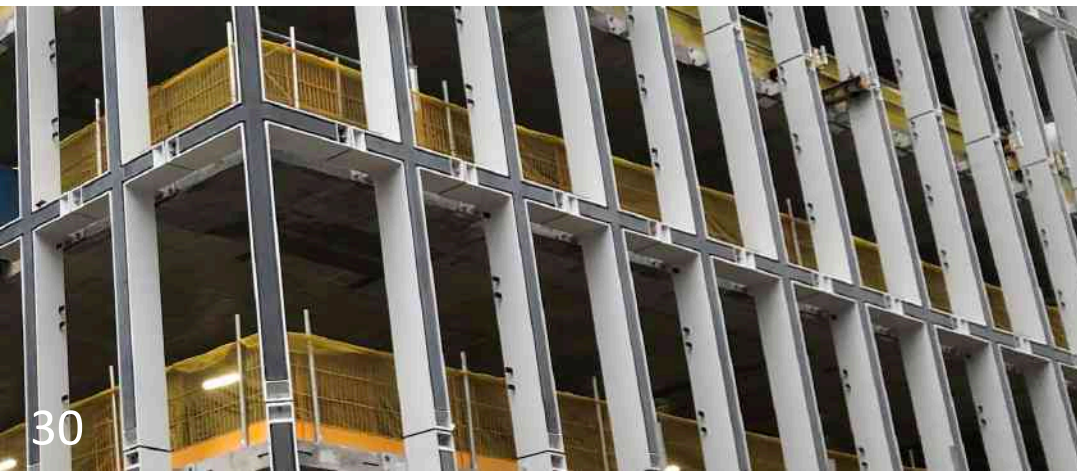
The steel columns and beams were being finished with black pigmented concrete that had to be consistent in colour for all the columns and beams; otherwise, they would be rejected by the client costing thousands of pounds.

The project managers of Barret's looked at a number of concrete batching plant companies and options. The final decision was to purchase a **Mini Viking** from Fibo.

The decision was made in favour of Fibo Intercon because we listened and adjusted the batching plant adding fine-tuning controls so that each batch of concrete would be consistent in batching and colour.

The fine-tuning involved adding a frequency controller to the cement auger motor. The speed of the cement auger is reduced by frequency converter and is controlled by the batching plant software during dosing.

You can see the results in the image on the left..



Case Story

Sabbeta Airport

Sabeta airport on Yamal Peninsula was built to fly construction and plant operators into the nearby gas fields.

Passenger numbers are about 150 000 people per year. It is forecasted to grow with the further development of the Arctic Region. The airport will also be able to receive cargo planes.

The soil bearing capacity at the airport is very poor for construction. The solution was to mix the existing soil with cement and chemicals and replace it using a compactor.



Two F2200 fibo batching plants were used to build the airport and runways.



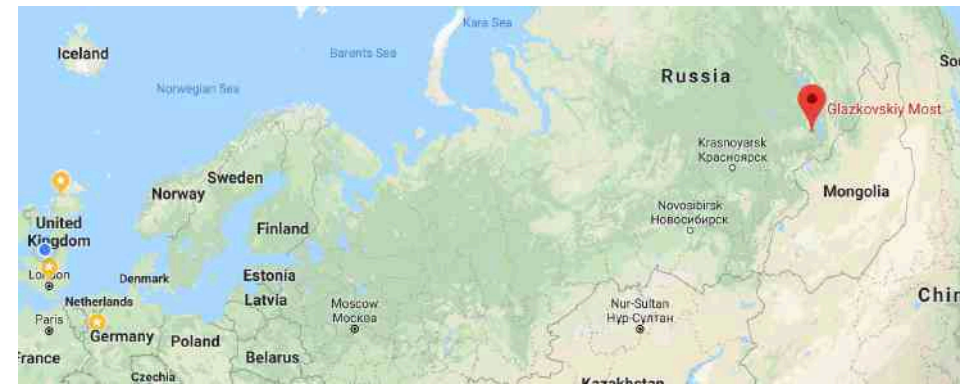
Case Story

Angara Bridge Construction

A new bridge was needed over the Angara river for the Boguchany Yurubchen Baikit freeway.

The bridge was a large civil engineering project especially for such remote location from the main freeways.

A Fibo F2200 concrete batching plant was used to produce all the concrete.



Case Story

RUSSIAN WINTER OLYMICS

Remote Site Batching Plant – In the years 2011-2013, in the Adler Area of Sochi Region in Russia, an Olympic park of 200 hectares was built for the 2014 Winter Olympics.

Over 100.000 m³ of concrete was required to build the Olympic park and sports venues.

The transport infrastructure prepared to support the Olympics included twelve tunnels, forty-six bridges, thirty-one miles of road, 223 miles of railroads and stations in and around Sochi, forty-two hotels, four sports venues and two training areas.



The complexity of the construction was determined by Sochi's location in the mountains where it was virtually impossible to deliver concrete, due to the high rise. A remote site batching plant was required.

The high rise made it impossible to place a modular or stationary concrete plant on the remote mountain areas, due to the compact location, the inaccessibility of preparing the foundation and the difficulties in transporting oversize parts.



If you require more detail or have a question, please get in touch, my contacts details are below.



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International Dealer Network

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Germany

Holland

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Ghana

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