



MACRETE

PRECAST CONCRETE ENGINEERS

Agriculture



Agricultural precast concrete technology



Our Commitment to You

Having 40 years' experience in the design and manufacture of a wide range of reinforced and pre-stressed concrete products and systems, Macrete Ireland Ltd are established at the forefront of the agricultural precast concrete industry.

We believe in developing strong long-term partnerships with our farming customers. Most of our clients that work with Macrete Ireland Ltd continue to do so on a repeat basis and your satisfaction is our fundamental objective. We continually endeavor to evaluate the market place to increase market share

and have experienced a steady increase in agricultural sales over the last 15 years.

Our goal is to be recognized as a major provider of agricultural precast concrete technology, products, services and solutions. Our vision is for you to see us as a desirable business partner with safe and efficient processes; as a leader in quality; as constantly innovating and expanding services as well as a business with highly ethical standards.

We can provide a full manufacture and installation service for all your agricultural and farming needs..





Case Study

A Macrete Ireland Ltd concrete storage tank is being deployed as a component of the anaerobic bio-digester/biogas plant supplied by AgriKomp UK. The one-million-gallon storage tank is provided for storage of the liquid digestant resulting from the processes of the system.

Producing a 380Kw electricity contribution to the National Grid, the biogas plant relies on a farming feedstock of maize, poultry manure and cattle slurry, from which bio-gas is harvested, then used to power an electricity generator.

The remaining digestant, which still possesses 100% of its NPK nutrient content, is separated into solids and liquids. These are stored and used as required within the farm to provide approximately 80% of the necessary total land fertilisation.

With an initial set up cost of around £1.8m, the biogas plant has a payback period in Britain of 8-9 years, based on the proceeds of electricity generation. The plant has a working life of at least 20-25 years, based on experience and data obtained in Germany.

Macrete Ireland Ltd supply both 5-metre-high tanks incorporating up to 40 precast concrete panels with

a maximum gross capacity of 1.2 million gallons: and a 6-metre-high tank incorporating up to 50 precast concrete panels and a maximum gross capacity of 900,000 gallons.



Our product range

6 Gang Cattle Slats					
Length (mm)	Width (mm)	Depth (mm)	Weight (t)	Axle Loading (t)	Length (ft)
5000	1200	220	2.12	4.50	16'6"
4570	1200	220	1.94	4.50	15'
4250	1200	220	1.91	4.50	14'
3950	1200	178	1.30	3.40	13'
3800	1200	178	1.23	3.40	12' 6"
3650	1200	178	1.18	3.4	12'
3350	1200	178	1.08	3.4	11'
3200	1200	178	1.03	3.4	10'6"
3050	1200	178	0.96	3.40	10'
2740	1200	178	0.88	3.4	9'
2440	1200	178	0.80	3.40	8'
2100	1200	178	0.75	3.40	7'

We also manufacture slatted mixers up to 3950mm length.

Cubicle Beds			
Double Cubicle Bases			
Length (mm)	Width (mm)	Depth (mm)	Axle Loading (t)
4880	1143	Sloping-178	N/A
4570	1143	Sloping-178	N/A
4270	1143	Sloping-178	N/A
Single Cubicle Bases			
2120	1143	Sloping-178	N/A
2440	1143	Sloping-178	N/A

Beams			
Length (mm)	Width (mm)	Depth (mm)	Axle Loading (t)
3000	300	300	6.00
4000	300	300	6.00
4000	300	400	6.00

Beams lengths can be made to order

Water Troughs			
Capacity (gallons)	Depth (mm)	Breadth (mm)	Length (mm)
300	788	1117	2185
150	610	915	1829
75	457	762	1525
40	356	559	1498
20	254	457	1525

Retaining Walls (Single Loading)		
Dimensions	Weight (t)	Quantity per Load
2.44m x 1.00m	1.04	20
3.05m x 1.00m	2.00	12

Rocket Walls (Single Loading)				
Height (mm)	Base Width (mm)	Width (mm)	Weight (t)	Quantity per Load
2400	1200	1250	1.65	14
3000	1200	1250	1.85	13



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