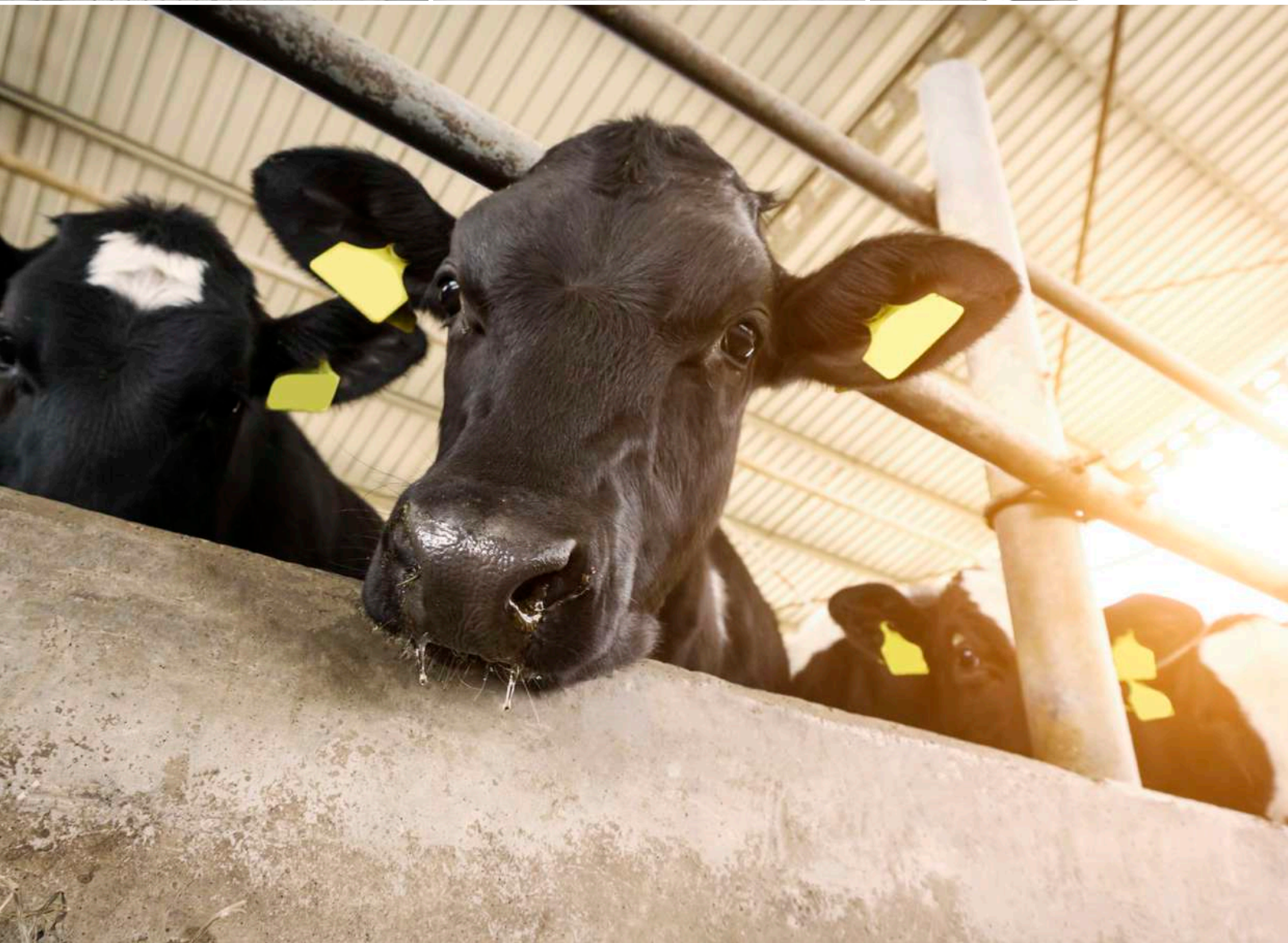




**CREAGH**  
INNOVATION IN CONCRETE

# Agriculture

AGRICULTURE PRECAST RANGE





Our agricultural product range provides innovative, durable, cost effective solutions to meet the challenges faced by farmers today and into the future.



## **EXPERTISE**

Our expertise is built on over 40 years experience in a multitude of applications, across the UK and Ireland. Today, when you choose one of our products, you benefit from that hard-earned experience.

We provide a comprehensive technical support service providing efficient detailed advice and on site

support. When your requirements are more challenging than normal specifications, our team is dedicated to providing bespoke solutions to meet complex needs on a project-by-project basis.



# Precast Agriculture product range

Grain Stores	04
Drying Floors	06
Slurry Stores	08
Slurry Channels	09
Silage Pits	10
Slatted Floors	12
Scraper Floor Slabs	14
Prestressed Wall Panels	15
Livestock Cubicles	16
Feed & Drink Troughs	18
Bin Wall System	20
Temporary Barrier	21
Steel Supply	22
Support	23

## SERVICE

We deliver the highest standards of service and customer care. It is this ethos of sustaining and building customer relations, which keeps our customers loyal to us.

Our high-quality, hassle-free products and service ensure that our customers enjoy complete peace of mind. From design to installation we provide help at every stage of your project.

Our service commitment to you includes extensive engineering, 3D modelling, and BIM ( Building Information Modelling) capabilities. Utilising AutoCAD, Autodesk Revit and 3DS Max ensure we design and manufacture the right product tailored to suit your requirements. We provide technical support throughout your project including a specialist installation service.



# GRAIN STORES



Creagh design and construct bespoke grain stores based on your requirements. We offer a design and planning service from conception to completion. We can supply only or supply with a full installation service. Each store is designed alongside the customer, tailored to suit their needs. Our prestressed concrete vertical panels are manufactured to the highest standards in accordance with BS5502.

## **BENEFITS**

- Enables the grain to be dried faster
- No dependence on external conditions
- Can withstand heavy machinery weight
- Quick and easy to install
- Can use dividing walls to increase storage options
- Cost effective solution for drying grain







# DRYING FLOORS

Concrete drying floors are used for drying grain, willow or wood chips. The slabs are installed on solid ground - an air tunnel is formed and hot air is blown under slabs and released through mesh strips drying the product above. The slabs can withstand heavy machinery and have a longer lifespan than the traditional wooden system.



## HOW IT WORKS

Each 1200mm floor section contains galvanised steel vent strips which allow hot air, blown from below to permeate the floor, drying the material as it filters upwards. The 200mm deep pre-cast floor is suitable for tractor traffic allowing easy access and handling of the drying materials.

Single floors or complete standalone drying sheds can be produced to your specifications.



## SYSTEM COMPONENTS

### Floor Sections

Available with a choice of mesh layout for either 33% or 60% airflow.

### Wall Panels and Lids

Used to create the drying tunnels and retain materials. We also supply the necessary tunnel steelwork components.



## BENEFITS

Quick and easy to install

Grain slats will withstand heavy machinery driving on them

Longer lifespan than the wooden system



Imposed loading BS5502

## Grain slat dimensions (mm) - tractor load bearing

DEPTH	WIDTH	LENGTHS AVAILABLE
200	1200	2400 - 3750



Farmer Roddy Catto, Aberdeen: "Creagh's drying floor is ideal for drying my oilseed rape, barley, wheat and wood chips – I'm delighted with it and the installation service they provided"



Ideal for drying oilseed rape, barley, wheat and wood chips.



# SLURRY STORES



Creagh provide a selection of prestressed concrete panels, precast retaining walls or vertical panels to build a slurry store that suits your needs. Slats can be provided to suit all kinds of livestock. We understand your slurry store project requirements can vary considerably so we offer a bespoke design service.



Good waste management is an integral part of every farm. If you need to move slurry to and between stores, we also supply concrete slurry channels.

All panels, walls and slats used in our slurry stores fully meet requirements outlined under both the Irish and British specifications for farm waste management.

## **BENEFITS**

- Above and below ground options available
- Solid and slatted covers available
- Quick and easy to install
- Slurry handling options
- Access to store with machinery

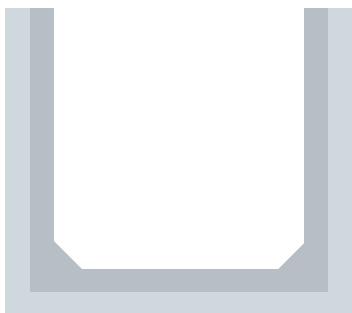


Imposed loading BS5502



# SLURRY CHANNELS

Structural Slurry Channels can be made to any specification to suit the customer's requirements - a comprehensive delivery and installation service for slats, cubicles and tanks saving the farmer time and money.



Standard Channel External dimensions (mm)

DEPTH	WIDTH	LENGTHS AVAILABLE
500	800	1152
1000	1000	2400

Standard Channel Internal dimensions (mm)

DEPTH	WIDTH	LENGTHS AVAILABLE
350	540	1152
850	740	2400

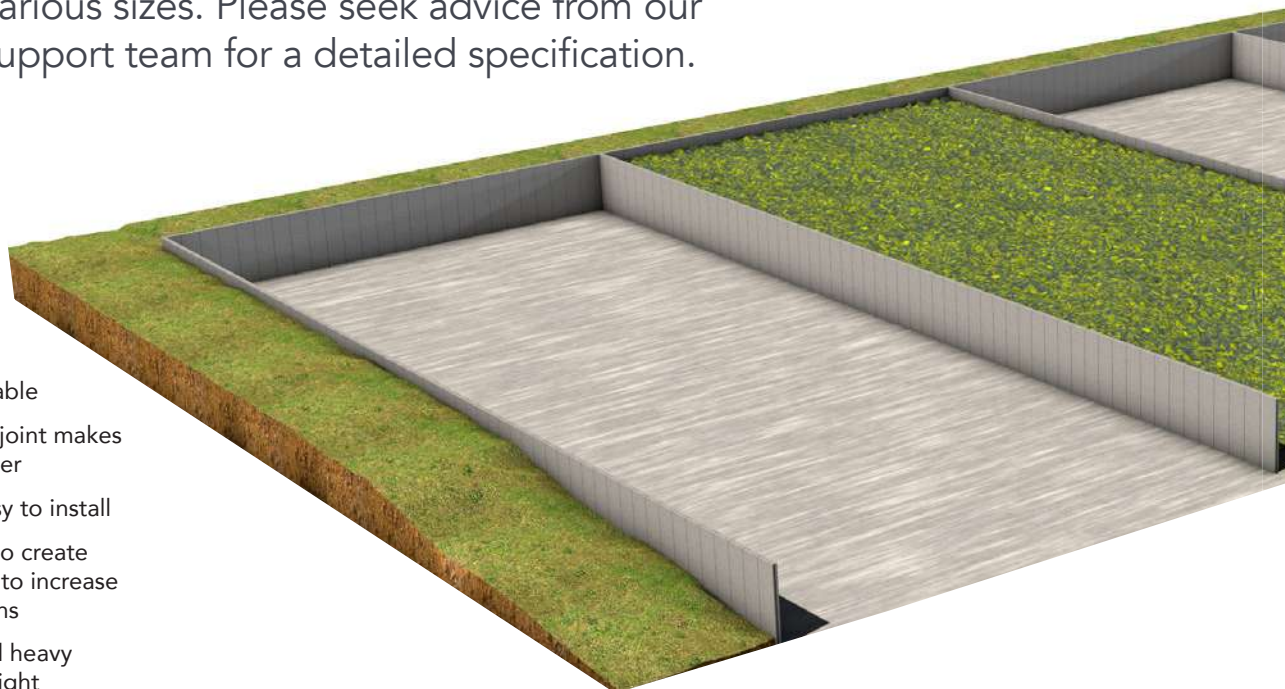
# SILAGE PITS



Creagh prestressed concrete panels are ideal for the construction of silage pits as they flex under load and can hold the weight of machinery during emptying. Depending on your requirements we manufacture panels in various sizes. Please seek advice from our technical support team for a detailed specification.

## **BENEFITS**

- Robust & durable
- 90° wall/floor joint makes emptying easier
- Quick and easy to install
- Can be used to create dividing walls to increase storage options
- Can withstand heavy machinery weight







Stratcathro Biogas Project

## STRATCATHRO BIOGAS

**Client:**  
DOW Waste

**Location:**  
Edinburgh, Scotland.

Quality silage is essential for the success of any AD plant. Dow Waste approached Creagh to build a bespoke silage store, to help them achieve exceptional quality silage. They required an efficient, cost-effective solution that meets the UK's latest environmental requirements.

Creagh's engineering team designed an innovative, bespoke prestressed hollowcore wall panel that was robust enough to meet their needs and withstand the stresses required. Prestressed hollowcore panels have a much higher resistance to loading and cracking than ordinary reinforced panels and can therefore absorb minor accidental damage, as well as heavy machinery weight.

Loadings for this project were:

- 7.5kN/m UDL
- VDL 23kN/m
- Point load 7.5kN

The silage stores were erected consisting of five clamps measuring 90m x 40m wide, with a 4m high wall to service the 1mw AD plant, allowing maximum compaction as machines can drive right up to the edge of the clamp to roll the shoulders. Floor levels were designed to collect all silage effluents. Since installation, silage tests have been carried out to check the dry matter digestibility, protein, energy and pH levels, with very positive results. DOW have seen a reduction in loss as well as a significant improvement in the quality of the silage.



## CLIENT BENEFITS

5 weeks completion time v  
12 weeks traditional build

Cost effective - 30% cost  
saving on project

Improved silage tests results

Reduced silage wastage

Solid panel prevents vermin

# SLATTED FLOORS



Slats are designed to meet the needs of the customer offering a stay clean profile and non-slip surface to increase the comfort of livestock and promote rapid livestock weight gain. All concrete slats are designed in accordance with Eurocode 2 for loads given in BS5502 and are manufactured to the highest standards in accordance with BS EN 12737.



Farmer Seamus Duggan, happy with slats and cubicles supplied by Creagh

Creagh Concrete provides a comprehensive delivery and installation service saving the farmer time and money. All slats are suitable for tractor loading.

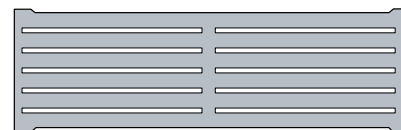
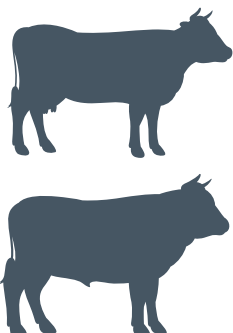


## **BENEFITS**

- Stay clean profile
- Non slip surface
- Wide foot piece - Increased comfort for livestock
- Promotes rapid livestock weight gain
- Tractor loading options
- Comprehensive design and fitting service
- Brush top surface for extra grip/non slip
- Slats and solid slabs are manufactured to answer the needs of new type of pig house designs
- Suitable for pigs 30kg upwards
- New slot size 18mm
- 100mm depth: suitable for manual handling



## CATTLE 6 RIB SLATS



**Cattle Slat** Dimensions (mm)

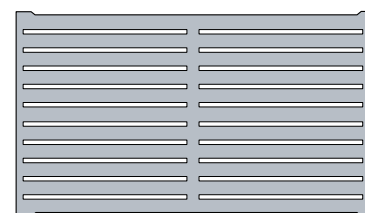
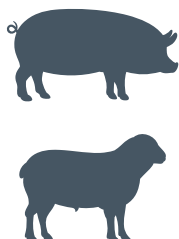
WIDTH	DEPTH	SLOT WIDTH	LENGTHS AVAILABLE
1200	178	40	2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3950, 4100, 4250
1200	215	40	4400, 4500, 4800, 4900, 5000

**Single Slat** Dimensions (mm)



DEPTH	WIDTH	LENGTHS AVAILABLE
175	200	2000 - 3200 (in increments of 100)
150	200	2000 - 3000 (in increments of 100)

## PIG & SHEEP SLATS

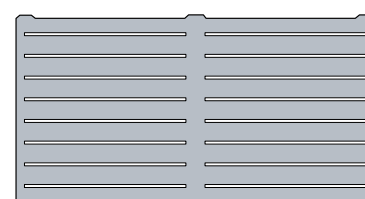


**Pig & Sheep Slat** Dimensions (mm)

WIDTH	DEPTH	SLOT WIDTH	LENGTHS AVAILABLE
330	100	18 - 20	1219, 1524, 1829, 2134, 2438
1200	150	16 - 18	2100, 2400, 2700, 3000, 3200, 3500, 3650

## MULTI PURPOSE

Multi-purpose slats are suitable for young cattle with a reduced slot width (30mm) for animal comfort.



**Multi Purpose Slat** Dimensions (mm)

WIDTH	DEPTH	SLOT WIDTH	LENGTHS AVAILABLE
1200	178	30	2100, 2400, 3000, 3300, 3600, 3950

## SAFETY MANHOLE



**Safety Manhole** Slat Dimensions (mm)

WIDTH	DEPTH	SLOT WIDTH	LENGTHS AVAILABLE
1200	178	35	1800 - 3800, 3950, 4100, 4250
1200	225	35	4400, 4500, 4900, 5000

# SCRAPER SLABS



The Scraper Slab flooring system was designed in response to a specification from Greenmount College, Antrim for their new Dairy Unit. The concept of this system originated from Holland. With cow welfare as the main priority, grooved and textured concrete slabs are used instead of slats for hoof grip and enhanced standing comfort.

Automatic scrapers are used in passages to deposit slurry into small tanks or channels. This flooring system is bespoke and made to order.

## **BENEFITS**

- Stay clean profile
- Non slip surface
- Increased comfort for livestock
- Promotes rapid livestock weight gain





# PRESTRESSED WALLS

We design, manufacture and supply a flexible and versatile range of prestressed wall panels for a wide range of industrial and agricultural buildings. Our teams provide technical and engineering design support to develop the most economic and practical structural solutions for each project.



## BENEFITS

- Retaining and Non Retaining
- Range of sizes
- Supply only or Supply and Install option
- Comprehensive design and technical advice
- Quick and easy to install
- Designed to BS8110 standard

## APPLICATIONS

- Livestock housing
- Farm building partition
- Walls; External & Internal
- Grain Storage
- Silos
- Middens
- Storage Bins
- Storage Tanks
- Waste Recycling
- Cantilever Walls
- Grass Bunkers
- Mushroom Houses
- Soil Retention

Creagh prestressed wall panels are delivered flat on the lorry bed/trailer, separated by stacking timbers. The spacing of these timbers is designed for maximum protection of the panels and to minimise the effects of the camber.

The panels can rest on the floor slab as no special foundation is required, or can be seated on suitable landing cleats. The panels are sealed after they have been

installed. Where a watertight seal between the bottom panels and floor is required, the panel can in some circumstances, be concreted into the floor with a top seal between the outside of the panel and the concrete ensuring a waterproof joint.



# LIVESTOCK CUBICLES



Our cow cubicles are designed to provide optimum comfort for cattle providing a clean and dry bed as well as ensuring that the cow can lie down and get up again with ease. The cubicle bases can be suspended above the tank without the need for floor slabs. This optimises slurry storage under the cow cubicle beds.

Cubicles are available in single and double sections with a standard heel height of 180mm deep (this can be altered to suit customer requirements). The cubicles come in various shapes and sizes all of which are suitable for use in existing accommodation or new build houses. End wall cubicles are

also available in both single and double and can also be cast with an opening for drinkers to ensure drinking water is clean at all times while accessible for cattle.



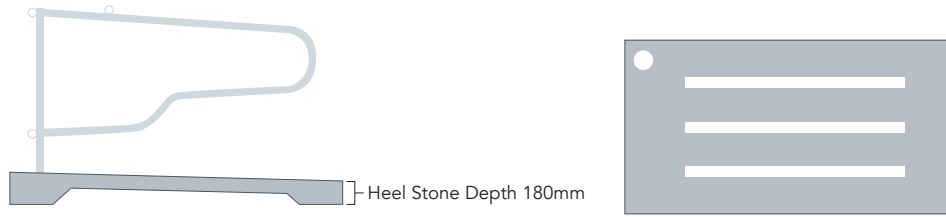


## CATTLE CUBICLES



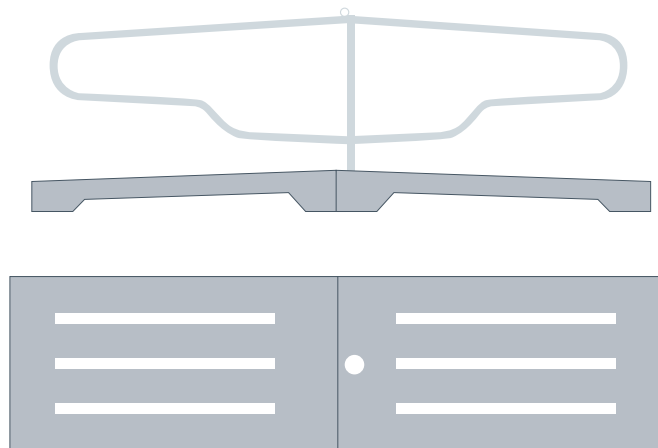
### Single Cow Cubicle Dimensions (mm)

WIDTH	DEPTH	GRADIENT	LENGTHS AVAILABLE
1200	180	75	2100, 2300, 2400



### Head to Head Cow Cubicle Dimensions (mm)

WIDTH	DEPTH	GRADIENT	LENGTHS AVAILABLE
1200	180	75	3600, 3800, 3950, 4100, 4250, 4300, 4400, 4500, 4600, 4700, 4800



### Single Calf Cubicle Dimensions (mm)

WIDTH	DEPTH	GRADIENT	LENGTHS AVAILABLE
1200	180	75	1800, 2000, 2100



# FEEDERS & TROUGHS



Creagh Concrete manufactures an extensive range of livestock drinking and feeding troughs. All troughs are fast and easy to install, suitable for internal and external use. Drinkers can be fitted to a water supply.



## FEEDING TROUGH BOLLARD

- Free standing bollards are placed at 4.8m intervals
- 4.5m planks are placed in between bollards to create a barrier
- Planks are easily removed to let cattle out of the pens
- Trough heights and widths are adjustable



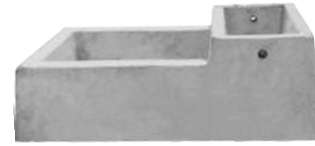


## LIVESTOCK DRINKERS & FEEDING TROUGHS



### Single Drinker Dimensions (mm)

WIDTH	DEPTH	LENGTH	CAPACITY
420	270	685	55 Litres (12 gallons)



### Double Drinker Dimensions (mm)

WIDTH	DEPTH	LENGTH	CAPACITY
420	270	1260	114 Litres (25 gallons)



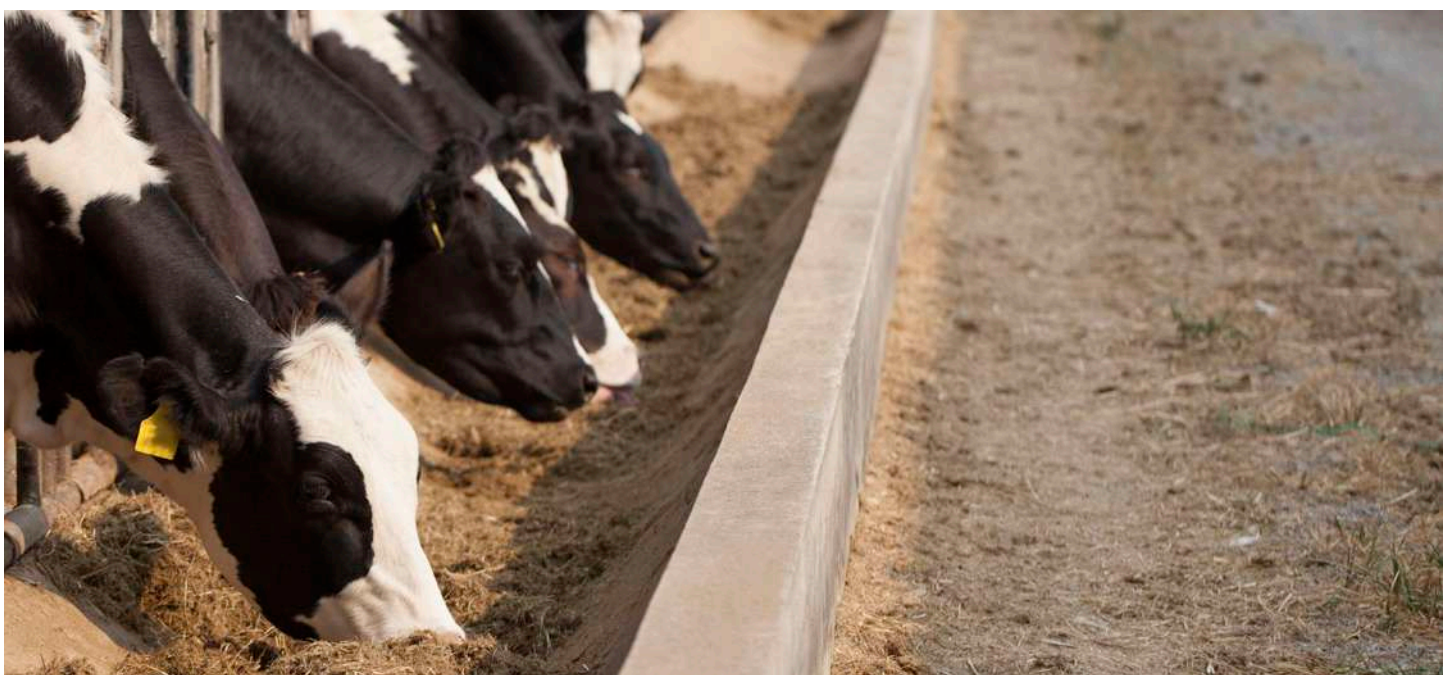
### Single Feeder Dimensions (mm)

WIDTH	DEPTH	LENGTH
600	225	400



### Double Feeder Dimensions (mm)

WIDTH	DEPTH	LENGTH
600	225	400



# BIN WALLING

Creagh manufacture a Bin Walling System, under licence, which are mortar free and used mainly for storage purposes. Economical to install and structurally stable, the Bin Walling System is ideal for temporary silage bunkers or material stores. The system is available in two formats - heavy duty or standard to suit application.

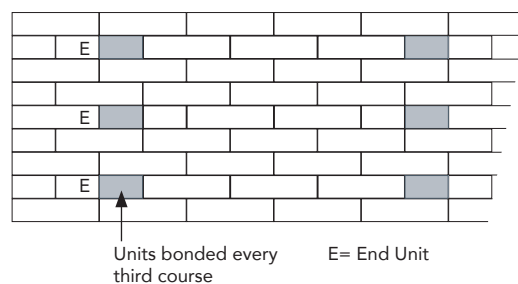
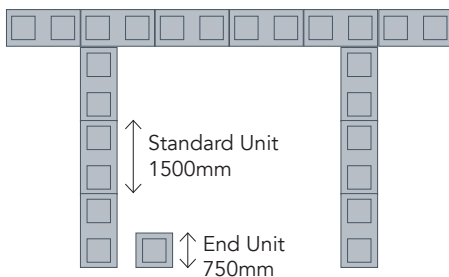


## STANDARD DUTY

HEAVY DUTY	LENGTH	WIDTH	HEIGHT	WEIGHT
Standard Block	1500 mm	750 mm	400 mm	1080 kg
End Block	750 mm	750 mm	400 mm	150 kg

## BENEFITS

- Dry build blocks
- Easy to relocate
- System can withstand mechanical abuse
- Cost effective
- Walls up to 4m high





# TEMPBAR



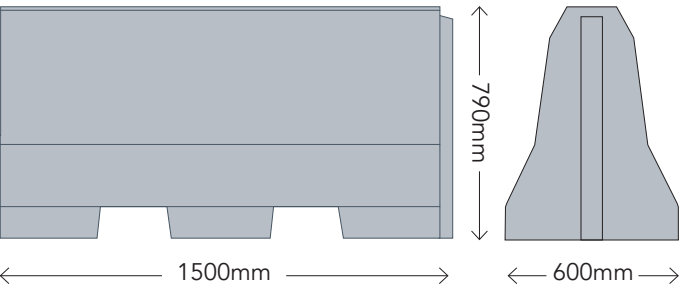
Creagh Tempbar is a versatile concrete barrier system capable of providing safe pedestrian zones, traffic management, restricting public access and materials storage or earth retention.

### TEMPORARY CONCRETE BARRIER

Each Tempbar unit can be positioned easily by forklift for use as temporary or permanent barriers. The interlocking profile provides a secure joint between each 1500mm long unit, simplifying the laying of continuous runs.

Units may be painted to provide higher visibility to enhance route management or when used as protection around vulnerable assets.

### DIMENSIONS



### APPLICATIONS

- Traffic management in construction areas
- Pedestrian safe space walkways
- Temporary entrance control
- Boundary setting in carparks
- Buffer zones around assets
- Health and safety on building sites
- Restricting public access
- Waterside protection
- Fast assembly of temporary earth retention
- Material storage

# STEEL SUPPLIES



Creagh supply reinforcement and bracketry steel to local construction and farming businesses. We can offer competitive rates and fast turnaround.

## **REINFORCEMENT STEEL STOCK**

- 8mm - 40mm diameter rebar
- Links, Straight Bars, L-Bars
- Customised rebar to BS8666 shapes codes
- Tying cages
- Mesh

## **BRACKETRY STEEL STOCK**

- Angle iron
- Box section
- Channel
- Flat Plate / Flat Bar
- Bespoke bracketry



## INNOVATION & SUPPORT

Research and development is a continuous process that provides new answers to the changing needs and expectations of our customers. Driven by market requirements and the emerging opportunities presented through the development of new technology,

Creagh are committed to excellence in providing new innovative products. Extensive new product testing utilising innovative technologies keeps Creagh up to date with all new requirements including product performance, legislation and building design.

**Please call our Technical Support team  
for further information T: 028 7965 0500**

In line with our policy of continuous product development, we reserve the right to change technical data without notice.





**CREAGH** INNOVATION IN CONCRETE

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