



TRACEY
CONCRETE

Power & Infrastructure

CABLE TROUGHS | COMMS CHAMBERS | POWER SOLUTIONS



traceyconcrete.com

Tracey Concrete's Production Facilities



1. ENNISKILLEN

Tracey Concrete Enniskillen is our head office and main production facility from where the business was founded. The company started back in the 1960's as a readymix plant supplying local construction & agri projects. Over the years it has grown in size and now the site spans over 50 acres which includes a state of the art precast concrete factory, precast stock and loading yard and readymix batching plant.



2. BELCOO



In 2018, Tracey Concrete acquired the expansive 200-acre Belcoo Quarry only 9 miles from Enniskillen. Our vision for the site has materialised into a thriving production factory producing precast drainage & fencing products. The quarry is our source of raw materials where we produce our sand & stone. We are committed to enhancing its sustainability by introducing renewable energy sources, such as a wind farm, to power our operations.

3. STANTON

Acquired recently in 2023, Tracey Concrete Stanton is strategically situated in the heart of England, nestled in Stanton by Dale, Derbyshire. This expansive production facility has effectively doubled our production capacity, enabling us to better cater to the UK drainage market through swifter deliveries and increased output capabilities. The site has space of expansion we hope to build new factories and add new modern machines and continue to expand and grow.



Tracey Concrete manufacture a wide range of Precast Cable Troughs for holding many types of utilities.

Our cable trough system is designed to hold many different types of utility cables & pipes that are normally covered underground. By housing utility lines in a trough system they can be securely protected while leaving quick access.

- Fast Installation
- Safe Installation
- Economical
- Simple access
- Chemically resistant concrete



Quality

Trough systems are designed and manufactured and to comply with loading criteria as set out in accordance with BS EN 1433 (Troughs) and BS EN 124 (Lids). All operations are conducted in accordance with Tracey Concrete quality management system, BSI accredited to BS EN ISO 9001.

Product Applications

- Substations
- Power stations
- Converter stations
- Wind farms
- Gas compressor plants

Production

Cable troughs are produced in our state of the art factories in Stanton in Derby & Enniskillen. Using a high strength self compacting concrete SCC the trough is complete with a smooth finish and high loading specification. Bespoke size troughs can be manufactured on request e.g. high strength, special chemical resistance or different sizes of troughing.

Product Applications

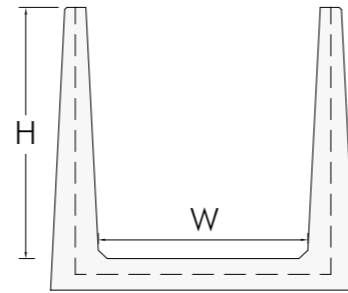
- Energy from waste plants
- Batter storage plants
- Biomass plants
- Waste treatment plants
- Oil, gas and fuel pipelines



CABLE TROUGHS RANGE

Trough systems are designed and manufactured and to comply with loading criteria as set out in accordance with BS EN 1433 (Troughs) and BS EN 124 (Lids). All operations are conducted in accordance with Tracey Concrete quality management system, BSI accredited to BS EN ISO 9001.

Internal W x H mm	Trough			Cover	
	Length (m)	Weight (kg)		Length (m)	Weight (kg)
200 x 200	2	272	e	1	66
300 x 200	2	318	e	1	114
300 x 300	2	390	e	1	114
400 x 200	2	380	t	1	138
400 x 300	2	465	t	1	138
400 x 400	2	515	t	1	138
450 x 400	1	670	t	1	245
500 x 200	2	460	e	1	216
500 x 300	2	540	e	1	216
500 x 400	2	615	e	1	216
500 x 500	2	705	e	1	216
600 x 300	2	665	t	1	293
600 x 400	2	745	t	1	293
600 x 500	2	835	t	1	293
600 x 600	2	905	t	1	293
700 x 400	2	845	e	1	339
700 x 500	2	935	e	1	339
700 x 600	2	1000	e	1	339
700 x 700	2	1080	e	1	339
800 x 400	2	960	t	1	360
800 x 400	2	960	t	1	360
800 x 450	2	990	t	1	360
800 x 500	2	1090	e	1	360
800 x 600	2	1130	e	1	360
800 x 700	2	1230	e	1	360
800 x 800	2	1350	e	1	360
1000 x 300	2	1165	t	1	480
1000 x 400	2	1240	t	1	480
1000 x 500	2	1320	t	1	480
1000 x 600	2	1645	t	1	500
1000 x 700	2	1755	t	1	500
1000 x 800	2	1840	t	1	500
1000 x 900	2	1935	t	1	500
1000 x 1000	2	2020	t	1	500
1000 x 1200	2	2240	t	1	500
1000 x 1300	2	2330	e	1	500
1000 x 1400	2	2420	e	1	500
1000 x 1500	2	2500	e	1	500
1250 x 600	2	2025	e	1	525



Specifications:

Resistance class : C35/45
 Consistency classes : S1
 Exposure class : XF1
 Cement : CEM I 52.5 R
 CE CP2 NF

Troughs designed for the following loading:

With no ground cover or up to 0.25m cover – 10T axle load. With 0.25-3m cover – LM1/LM2 loading to NF EN 1991-2. *F900 is available on request



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TROUGH LIDS

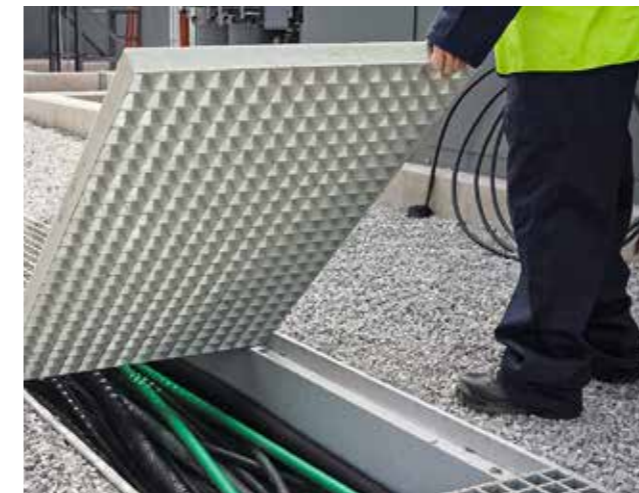
Tracey Concrete produces and supplies concrete lids designed for medium-duty cable troughs, meeting specific loading needs.



GRP Solid Lids



Concrete Lid



GRP Lids



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BESPOKE TROUGHS

Bespoke troughs can be made on request, some common special designs include corners, transition T junctions, cruciforms (cross junction), stop ends & transitions straights (reducer / expansion). Bespoke features are cast in fixing points, sidewall & base holes & unit strut channels.



Transition T Junctions



Sidewall holes



Side Wall Fixing Points

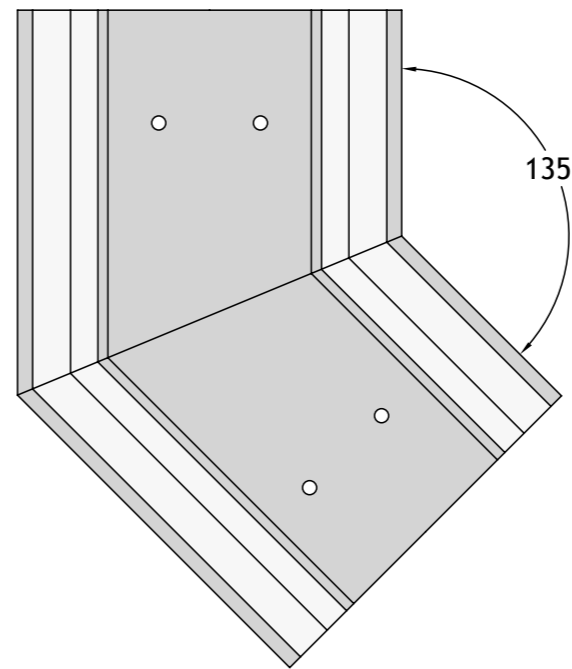


Base Fixing Points



ANGLED UNITS

Units to form changes in direction are available in some sizes, may be cast in-situ or formed from standard units on site. However, care should be taken that such features are suitable for the anticipated trafficking. Bespoke designs to suit particular conditions can be provided. Corner, tee and specific angled units are usually available exstock. Please contact our sales office to discuss availability.



Other angled units, including 11.25°, 15° and 30° are available on request



PROTECTION SLABS

Tracey Concrete manufacture utility and pipe protection slabs are made from precast concrete and heavily reinforced with steel. They can be used to protect a range of vulnerable utilities such as water pipes, high pressure gas mains and power cables from damage from above-ground traffic.

The standard 5000x1250x300mm slab is available off-the-shelf, however, protection slabs are generally made bespoke to suit customer's requirements depending on the application.

They can be manufactured to any thickness or size and incorporate suitable lifting anchors as required.



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PROTECTION SLABS

Advantages

Safety | Under impact loading from mobile plant, vital utilities such as gas mains are at risk of being damaged which can have catastrophic safety implications.

Durability | Utility Protection Slabs are cast from high strength concrete and are suitable for re-use time and time again.

Recyclability | 100% of a precast concrete Utility Protection Slab can be recycled.

Cost effective | Utility protection Slabs are mass produced which means they are great value compared to bespoke or in-situ solutions.

Availability | As they are mass produced, Utility Protection Slabs are available "off the shelf" with delivery to site often possible on a next day basis.

Speed | Utility Protection Slabs are cured prior to delivery so unlike an in-situ solution they can be installed and be ready for use immediately.

Ease of installation | Each unit has two cast in lifting sockets which make installation quick, easy and safe with no specialised lifting equipment required.



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