

CROOM CONCRETE LTD.



Pre-Cast Concrete Products and Builders Providers

Off Church Road, Croom, Co. Limerick.
Telephone: 061-397479 Fax: 061-600719
Email: sales@croomconcrete.ie
Website: www.croomconcrete.ie

Manhole Reinforced Sections

Manhole Section	Heights Available				Wall Thickness	Type of Joint	Weight of each Unit (KG)
	0.25	0.5	0.75	0.9			
Dia	0.25	0.5	0.75	0.9	mm		(KG)
900	yes	yes	yes	yes	95	O'gee	680
1200	yes	yes	yes	yes	115	T&G	800
1500	yes	yes	yes	yes	125	T&G	1005

1. All units are manufactured in a wide range of depths, creating a modular system so that all types of manhole depths can be accommodated.
2. Units are straightforward to assemble and easy to install, reducing the need for skilled labour.
3. Units are rigid under loads.
4. All manhole sections are supplied with Steel coated steps, all which conform to EN 131010: 2002 Class C.
5. Units have a design life in excess of 50 years.
6. By using Sealant a flexible water tight seal is created between each of the manhole sections.

Manhole Steps

- Excellent Corrosion Resistant
- All Manhole steps are fitted during manufacturing, guaranteeing a better anchoring in the unit.
- No sharp edges on steps, removing the risk of injuries
- Bright orange coloured, making them visible in the dark shafts.

Proper Handling Facilities

All units are manufactured with two 25mm lifting holes.
Units should be stacked upright when been stored on site.

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Reinforced Concrete Manhole Cover Slabs

Manhole Cover Slabs	Approx Thickness	Overall Diameter	Manhole Opening	Weight of Unit (approx)
Dia	mm	mm	mm	kg
900	200	1090	200	350
1200	200	1430	200	600
1500	200	1750	200	850

1. Covers Slabs are manufactured with a welded rebar-reinforced cage.
2. Covers slabs are manufactured with 3 lifting anchors
3. All cover slabs are manufactured with an access opening of 600mm offset to one side.
4. Units are manufactured with a female base which allows for sealant to be place under the cover to create a sealed joint.
5. Covers slabs of an informal design can be manufactured n request.

Proper Handling Facilities

Concrete Cover slabs should always be stored horizontally on site.



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Reinforced Manhole Bases

The Universal Manhole Bases has been designed as a simple solution for Manhole Chamber Assemble for the Civil Engineering and Private Development projects. The universal manhole base was designed to remove the hassle out of ordering manhole bases.

In the universal manhole base there is no limitations to any of the following arrangements such as, inverts, types of pipes been used and also pipe diameter. Channels and benching is done on site, allowing the contractor the use different pipe types/ sizes and also a number of different pipe directions, contained within one manhole unit.

The unit is now only been used as an inspection chamber and not as a connector removes the need to purchase expensive adaptors for inlets and outlets to the manhole.

Correct installation of Manhole Base Unit

- Excavate the ground to the require depth for the unit to be placed on. (Refer to relevant site drawings to determine correct depth).
- Prepare suitable foundation for base to sit on.
- Place unit on prepared foundation.
- Check for plumb-ness
- Mark the knockouts on the inside which are to be used.
- Insert the concrete/plastic pipe into position through the base unit and cut and connect up and side connections.
- It should be noted to start in the middle of the knock out when making the hole for the inlet/outlet. A lump hammer should be sufficient for this procedure.
- Complete benching of unit and also grout up the outside of the inlets and outlets of the manhole.
- Finish manhole unit be placing the required amount of rings on top of the base and completing wit the placing of the cover slab. Should be noted that manhole climbing steps should be inline with the opening of the manhole coverslab.

