

Mortar Buoy®

Access frame installation aid



The inflatable device that acts as a dam allowing a flowable mortar installation around an access frame within seconds.

- Simply fit and inflate
- Creates an instant dam within the access chamber allowing chamber rebuild and raising existing chambers
- Saves time - no waiting around for the dam to dry
- Prevents the mortar seeping into the access chamber and debris falling down it
- Provides a seamless finish to chamber
- Environmentally friendly - can be re-used

Information

Mortar Buoy® promotes next generation access frame installation. The inflatable configuration allows for a flowable mortar installation creating a dam within seconds. The Mortar Buoy® dam prevents any mortar seeping into the access chamber providing a seamless finish to the chamber and trim back areas. This allows a single pour installation of Envirobed® CD534 Flowable/ Envirobed® CD534 Flowable Red, which encapsulates the flange of the access frame creating a solid bed and backfill in one.

Methodology

Inflate Mortar Buoy® within the access chamber allowing 75mm-100mm of the inflatable to protrude from the chamber. This should be done using a mechanical inflator, with a 1 inch opening. If there are any creases or gaps between the chamber and the Mortar Buoy®, fill with a small amount of wet sand (this may be removed after installation).

Before placing the access frame over Mortar Buoy® adjust the ironwork to the approximate level desired, this can then be adjusted further after but will prevent unnecessary adjustment and displacing of the Mortar Buoy®. Place the ironwork over the Mortar Buoy® being careful not to trap or add excessive pressure to it.

After the desired levels of the access cover are reached, start mixing the flowable mortar (Envirobed® CD534 Flowable/ Envirobed® CD534 Flowable Red). This can then be evenly distributed around the frame ensuring a minimum of 20mm of the flange is submerged in mortar.

When the flowable mortar has reached initial set, Mortar Buoy® can be deflated and removed.

Storage

In the bag away from sharp objects at an ambient temperature.

Cleaning

Mortar Buoy® should be wiped / washed down after use with water to maintain good form.

Temperature

Mortar Buoy® is suitable for use in for all climates. The maximum temperature Mortar Buoy® can sustain is 35°C for small periods. Extended periods at high temperatures can deform or puncture it. Please be extra vigilant for sharp objects if the ground is frozen.

Sizes available (mm)

450 x 450 x 200
600 x 600 x 200
700 x 700 x 200
1250 x 700 x 200
1850 x 700 x 200
950 x 475 x 200

Contact Us

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QC10 F used for Ring-beam construction

Begin application from a sound and solid substrate, remove all loose materials or bricks. Pre-wet the area and remove ponded water.

Measure the depth from the access chamber to the surface course, level and calculate the required depth of QC10 F to enable 100mm of asphalt as a surface course to finish or another suitable depth of asphalt specified by the owner of the apparatus, plus the necessary bed depth of any traditional mortar or flowable mortar system.

Once the acknowledged depth of QC10 F has been calculated Mortar Buoy® can be inserted into the chamber and inflated using a suitable inflating device. The Mortar Buoy® can be marked for depth using a whiteboard marker or any retaining shuttering can be marked appropriately, after application of a release oil.

Attach a string line or similar to Mortar Buoy® and attach the other end to a weighted object to prevent Mortar Buoy® falling into the access chamber.

QC10 F will lose workability relatively quickly so care must be taken to mix immediately adjacent to the access chamber. Mix and pour QC10 F until the desired height is achieved. It is advisable to create a rough finish on the surface by mechanical means. Allow QC10 F to cure and then deflate and remove Mortar Buoy®, at this moment wipe Mortar Buoy® with water and a brush to keep clean and use again.



QC10 F used for Chamber repair

Begin application from a sound and solid substrate, remove all loose materials or bricks. Pre-wet the area and remove ponded water. Insert Mortar Buoy® into the chamber and inflate using a suitable inflating device to create an internal shutter. Mix QC10 F and apply into the void, bring up to existing chamber top level. Allow QC10 F to cure and then deflate and remove Mortar Buoy®. Wipe Mortar Buoy® with water and a brush to keep clean and use again.

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