



## DRY MORTAR SILO – SITE REQUIREMENTS

### 1. Silo Stand & Placement

The customer shall ideally provide a level C35 concrete base 3m x 3m (8m x 3m for two silos) x 125mm thick, flush with the ground to accommodate a gross weight of 47 tonnes per silo (0.3 N/mm<sup>2</sup>), consolidated and protected from flooding, subsidence and a safe distance away from any excavations.

Any alternative surface needs to comply with the above, if in doubt, consult with your structural engineers. Following silo placement, the customer shall be responsible for the stability of the silo.

Silo delivery vehicle will require a minimum tipping height clearance of 8.5m. Height of silo after delivery is 7.5m. Clearance from overhead cables or other electrified obstructions must be taken into account and if in doubt advice and/or permission should be sought from the owner of electrified equipment.

There should be unobstructed access to the silo at all times with a surface suitable for a 44 tonne articulated vehicle, which will need to be no more than 5m from the blow-in point on the silo during the powder delivery.

Under no circumstances should the silo be moved or its orientation changed without permission from Tarmac. Any orientation changes during silo placement will be carried out by Tarmac using specialist equipment.

### 2. Electrical Power Supply

(a) Suitable sized, steel-wire armoured cable to isolator on concrete pad, 6mm<sup>2</sup> cable SY terminated with a 32A 240Volt trailing socket (blue commando type).

(b) Single-phase mains power supply, or minimum 15kVA generator.

(c) A separate Merlin-Gerin 30mA RCCB. Part number RMG400302. Installation to comply with BS7671

### 3. Water Supply

Supply to silo must be a minimum of 25 litres per minute flow rate to achieve 1Bar constant pressure:

(a) mains water supply via a 25mm blue hard wearing hose (supplied by customer) connected to stop tap adjacent to the silo, connected to 25mm clear flexi-hose (supplied by Tarmac) to the silo mixer unit.

(b) or a header tank (min. capacity 700 litres) at least 1500mm above the silo base.

(c) or a large water bowser (1000 litres capacity suggested), with its outlet at least 610mm above the water inlet on silo.

### 4. Notice

Five clear days notice is required to supply silo to site.

### 5. Training

**A full induction is to be given by Tarmac representative to all site personnel who will use the silo.**

#### NOTE:

- Customer to provide cable (see point 2 above)
- Merlin-Gerin RCCB recommended (see point 2c above)
- Water bowser must be totally clean before use (see point 3c above)
- **Silo must not be used until site personnel have been inducted by Tarmac (see point 5 above)**

*In the event of a silo breakdown please contact the number below and speak to Ultrascape.*