

DRY SILO MORTAR - SITE REQUIREMENTS

SILO STAND

The customer shall provide, a silo base with a minimum dimension of 3.2mx3.2m for a single, for multiple silo installations the base should be designed to suit. The base must be flat, level and flush to the surrounding ground.

Construction must be specified and approved by the main contractor's structural engineer. The construction should contain reinforced concrete on well consolidated ground to accommodate a weight of 40 tonnes per silo (0.3N/mm²) and protected from extreme adverse weather conditions, flooding and subsidence, and a safe distance away from excavations.

It is strongly recommend that in the event of a silo being positioned in an area exposed to very high winds or adjacent to a sensitive location, such as a school or rail line, the silo is bolted to the concrete base.

Following the silo placement, the customer shall be responsible for the stability of the silo. Tarmac shall not be responsible for any loss of damage whatsoever including but not limited to:

- a. Failure by the Hirer, its employees or agents to follow the Company's guidance in respect of site requirements, location or use of the equipment.
- b. Arising from events, circumstances or causes beyond the Company's reasonable control.
- c. Delay in delivery arising from or in connection with the equipment or any part thereof.
- d. Or arising from any defect in the equipment.

The silo delivery vehicle will require a minimum tipping height clearance of 8.5m. The 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.

ELECTRICAL POWER SUPPLY

- a. Suitable sized, steel-wire armoured cable to a panel on the concrete pad containing an RCCB to protect the trailing cable from the isolator to the mixer panel. To supply the mixer a 6mm² cable SY terminated with a 32A 230 Volt trailing socket (blue commando type).
- b. Single-phase mains power or minimum \ 15 KVA generator.
- c. A separate Merlin-Gerin 30 mA RCCB. Part number RMG400302. Installation to comply with BS7671.

WATER SUPPLY

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

Tarmac silos are provided with a category 3 water backflow prevention device. If, however further backflow protection is requested by your local water authority, either an RPZ valve or similar category 4 protection device should be fitted at the source of supply. Alternatively, a raised water tank with the required air break can provide a similar level of protection. A raised water tank must be of a capacity sufficient to provide a minimum and consistent 1 bar pressure.

NOTICE

1. Please provide five clear days notice for the supply of a silo.
2. Full terms and conditions can be found at: tarmac.com/terms-and-conditions
3. Full training and care video can be found at: tarmac.com/mortar/mortar/dry-silo-mortar/

TRAINING

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

IMPORTANT CONSIDERATIONS

- Customer to provide cable (see power above)
- Merlin-Gerin RCCB recommended (see power above)
- Water bowser must be totally clean before use (see water supply above)
- Silo must not be used until site personnel have been inducted by Tarmac (see training above)