

SILO SITE REQUIREMENTS

This document should be read in conjunction with, and forms part of, Tarmac's Conditions of Hire.

1) SILO STAND

The customer shall provide, flush to the surrounding ground, a flat level concrete base 3.2m x 3.2m (8.4m x 3.2m for two silos) X 125mm thick, or 400mm if bolting down, constructed using a minimum C25/30 concrete on well consolidated ground to accommodate a weight of 38 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. A specification will be supplied on request.

Any alternative surface needs to be flat, level and constructed using appropriate materials compacted in order to withstand the imposed loads and should be designed and verified by a structural engineer and comply with the above specification. 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.

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

Three-phase mains power or 30KVA generator required.

A suitably sized, steel-wire armoured cable to an isolator on the concrete pad, with a 6mm² SY cable x 5m Long, terminating in

a 32A 400 Volt trailing socket (Red Ceeform Type) will need to be supplied from the mains or generator, by the customer.

Either supply is to be protected with a 30amp fuse and a 30mA RCD device (installation to be provided by the customer and to comply with BS7671).

3) WATER SUPPLY

Supply to silo must be a minimum of 2800 litres per hour flow rate via:

- a. Mains water supply with a constant pressure of 3 bar via a 25mm blue hard wearing hose (supplied by customer) connected to a stoptap adjacent to the silo, connected to a 3M long 25mm clear flexi-hose with a brass Geka type connection (supplied by Tarmac Building Products) to the silo mixer unit water inlet. A header tank (min. capacity 60 litres) is required between the 25mm flexi-hose and the SMP mixer pump with its outlet at least 610mm above the water inlet on the SMP mixer pump unit.

OR

- b. A large water bowser (minimum 1000 litres capacity), with its outlet at least 610mm above the water inlet on silo, connected to a 3MLong 25mm flexi-hose with a brass Geka type connection.

Please ensure that whichever water supply is used, be it mains or bowser, that the connection to the SMP Mixer pump unit is of the brass Geka type and that a hose from the bowser or header tank has been supplied and is long enough to reach the water connection (we recommend a 3M length).

Please provide ten clear days notice for when to supply silo.

5) TRAINING

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

IMPORTANT CONSIDERATIONS

Ensure the silo is returned to Tarmac completely empty and a clean usable state

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)

For more details contact

Tarmac - Pozament

Swains Park Industrial Estate, Park Road, Overseal, Derbyshire, DE12 6JT

03444 630 046

pozament@tarmacbp.co.uk

pozament.co.uk