

> Silomix™ User Guidelines

Site Set-Up

Placement of the Silo On-Site

Please note the following:

- We will only deliver and place the silo at locations that meet the working space criteria and on foundations suitable for the silo. It is the responsibility of the customer to design and construct the foundations.
- A flat and level surface area of 9m² (3m x 3m) of any foundation must be provided to ensure even bearing of silo feet.
- Unless written permission is given by us, no blocking or raising of the silo must be carried out.
- Silos can only be delivered to areas controlled by the customer and must never be placed in locations open to the general public.
- Select an area free from overhead wires or other headroom impediments when considering the best placement area for the silo. The silo requires a tipping height clearance of 7.5 metres. Equally, clearance space around the silo is needed for a second silo or re-filling as required.
- The customer is responsible for the safe access for delivery/collection of the silo and for re-filling operations.
- The silo should be positioned a safe distance from overhead cables.

Electrical Requirements

3 Phase Mains (400/415V neutral and earth)

- Total maximum load is 5kW.
- 16A 5 pin industrial socket must be provided from a 16A 3 phase motor rated M.C.B. type C or D.
- Electrical supply to the silo must be backed up by a 30mA RCD which is exclusively for silo use.
- The socket must be located within 5 metres of the silo.

Single Phase Mains

- 32A single phase 3 pin industrial socket which must be provided from a 32A motor rated M.C.B. type C or D.
- Electrical supply to the silo must be backed up by a 30mA RCD which is exclusively for silo use.
- Please contact our representative to confirm single phase availability.

No Power On Site

- 3 phase generator with a minimum capacity of 12kVA (fitted with a 16A 5 pin industrial socket 30mA RCD type C or D) is sufficient to run the silo mixing operation.

Please Note:

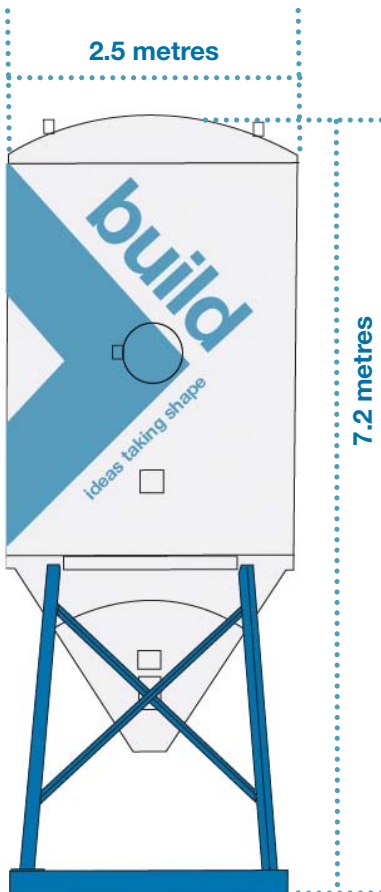
All silo installations must be installed to current IEE Regulation Requirements for Electrical Installations (BS 7671:2001). Please pay close attention to the special location section relating to construction sites section 604.

> Get in Touch:

T: +353 1 802 6300 - E: info@kilsaran.ie - W: www.kilsaran.ie

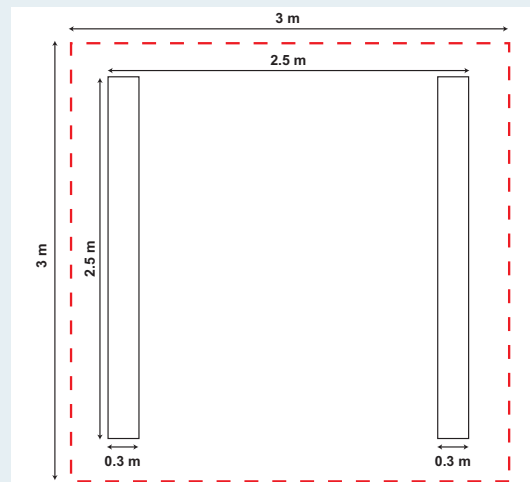


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- Allow vehicle access for silo lugger and refill
- Clear access suitable for 40 tonne Gross HGV
- Minimum width 5 metres centred on each silo
- Silos must not be placed in areas accessible to the general public or on rights of way
- Approx 33 tonnes when full
- 12 tonnes when delivered
- Working area requirement of 3m x 3m

Foundation Design



Daily Use

Start-Up Procedure

On delivery, and every morning, the following start-up procedure should be followed:

1. Place tub under discharge chute.
2. Connect the control panel and power leads.
3. Connect water pipes.
4. Briefly run the mixer and always check motor direction.
5. Run mixer. Please Note: Always run the mixer before opening the butterfly valve.
6. Open the butterfly valve on the silo.
7. Adjust the water as necessary using the water flow control valve.

Using the Timer

To run the mixer using the timer, set the running time and press the green button on the panel. The mixer will automatically stop once the pre-set time has elapsed.

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Cleaning and Care

Daily Cleaning

Please observe the following cleaning and shut-down procedure at the close of each day and prior to an empty silo being collected:

1. Close the butterfly valve on the silo.
2. Run out all the remaining material in the mixer.
3. After approximately 5 minutes, clean water should run out of the mixer. This signals that the mixer is now clean.

Weekly Cleaning

1. Carry out the daily cleaning procedure as outlined.
2. Remove the mixing chamber and screw.
3. Clean thoroughly.
4. Reassemble.

Hot Weather

During hot spells, if the mixer is left unused for more than about one hour, the mix in the wet compartment will tend to set. To avoid overloading the mixer motor when it is next used, close the butterfly valve on the silo and run out all the material out of the mixer each time it is used.

Winter Weather

Freezing water may seriously damage the control panel and the water fittings. In cases of long interruptions and after cleaning the mixer, ensure the water fittings are completely drained by following this procedure:

1. Turn the water supply off.
2. Uncouple the water supply pipe.
3. Uncouple the pipe off the mixing tube.
4. Open the water drain taps.
5. Let the water drain off completely.

Care of Equipment

Damage to instrumentation, switches on the mixer or the control panel could interfere with the normal operation of the system. It is vital that the silo mixing station is treated with care at all times and particularly when site vehicles are used to load and transport the product.

Please Note:

- Any damage or alterations made to the silo or associated equipment must be reported to us without delay.
- The person who orders the silo will be held liable for all damage which results from the improper use of the silo.
- We will provide training sessions for customers and staff using our silos. Customers are responsible for ensuring that only trained operators use our silos and that the correct procedures covered in the training sessions are followed by operators.
- Damage to our silos or any associated equipment will be charged for.