



## FURTHER INFORMATION REGARDING THE USE OF REMIX SILO SYSTEMS

### **Silo Specification and Requirements**

Silo Footprint - 3m x 3m (9m<sup>2</sup>)  
Silo Height - 7.15m  
Required Silo Clearance Height - 9m  
Weight Empty - 2.5 tonnes  
Weight Full - 37.5 tonnes  
Storage Capacity – 35 tonnes

Customers should provide a concrete base of 4m x 3m per silo, capable of supporting a gross weight of 37.5 tonnes (0.3 N/mm<sup>2</sup>). The base must be level, consolidated and protected from flooding and subsidence. Bases must not be raised in excess of 1 foot above ground level. A ramp must be provided to access raised bases when required. Safe clear access to and around the silo base must be maintained at all times. Any alternative surface being used as the silo base must comply with the above criteria. If you are in any doubt regarding the construction required for your base relevant to your on site conditions, please consult your structural engineers.

### **Power Requirements**

#### **3 phase electrical supply (Mains or Generator) 415 volt**

A 32amp 5 pin female socket (industrial) rated IP44, must be provided from a 32amp 3 phase motor rated MCB type C or D. The electrical supply to the silo must be backed up by a 30mA RCD, which is exclusively for silo use. Fuse protection to be 50Hz.

The socket is to be provided within 5 metres of the silo.

#### **Single phase electrical supply (Mains or Generator) 240 volt**

A 32amp 3 pin female socket (industrial) rated to IP44 must be provided from a 32amp motor rated MCB type C or D. The electrical supply to the silo must be backed up by a 30mA RCD, which is exclusively for silo use. Fuse protection to be 50Hz.

The socket is to be provided within 5 metres of the silo.

Please note that where two or more silos are in use on a site independently, a separate socket is required for each silo, e.g. where a natural mortar is being used internally on blockwork and coloured mortar is being used externally on brickwork both at the same time.

### **Generators**

If using either 3 phase or single phase generators, the unit must have a minimum capacity of 12kva (per silo – if two or more silos are being used at the same time).

Remix Dry Mortar Ltd. will supply maximum 5m (standard length) of cables with connectors.



### **Water Requirements**

A  $\frac{3}{4}$  inch water hose connected to a standard tap with a  $\frac{3}{4}$  inch external thread must be provided within 5 metres of the silo. Water pressure must be a minimum of 2 bar working pressure. In the event that the working pressure of less than 2 bar, a pump will be required to increase the pressure to the appropriate level.

### **Other Requirements**

The site needs to observe the following measures to ensure that the silos can be delivered and operated safely and efficiently:-

- Clear unobstructed access must be provided from the highway to the silo base on a hard road or other suitable surface, which is capable of carrying vehicles weighing up to 44 tonnes gross.
- Only authorised Remix personnel are permitted to load, unload and fill the silos. All unauthorised personnel must keep clear of the silo areas during these operations.
- Remix will provide full training and instructions in the operation and maintenance of the silos and mixers. Site personnel must follow these instructions thoroughly.
- Only trained personnel are permitted to operate the silos.
- Remix Dry Mortar Limited Conditions of Silo Hire apply.

**PLEASE NOTE THAT NO ATTEMPT WHATSOEVER MUST BE MADE TO USE THE REMIX SILO PRIOR TO OUR ENGINEER VISITING SITE TO TEST AND COMMISSION THE SILO, CONTROL PANEL AND MIXER UNITS.**