

Concrete Testing

Sample preparation

The results of strength testing of cement are dependent on the method and the quality of equipment used. A standard system for strength testing is based on compressive strength of mortar prisms.

The correct mixing sequence and homogeneity of mix is important for consistent, repeatable test results. Mixers should be powerful enough not to be affected by the mix constituents; so designed to ensure that the mixer action and blade does not break down individual sand particles and preferably provide automatic mixing cycles.



Specification

Dimensions (l x w x h)	530 x 350 x 580 mm	
Speeds (rpm)	Paddle	Mixing Head
Low	140 ±5	62 ±5
High	285 ±10	125 ±10
Rated power	180 W	
Bowl capacity	5 litres (approx)	
Weight	54 kg	

Automatic/Manual 5 litre nominal capacity Mortar Mixer

EN 196-1, 196-3, 413-2, 459-2, 1744-1, 13279-2, 1015-2, ISO 679

- Microprocessor control
- Choice of automatic mixing cycles
- Sand and water dispenser as standard

This mixer is designed to mix mortars and cement pastes to the requirements of the above standards. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode.

Ordering Information

EL39-0035/01 Automatic/Manual 5 litre nominal capacity Mortar Mixer Complete with Sand and Water dispensers, bowl and paddle. For 220 – 240V AC, 50 – 60Hz, 1ph.

Jolting table

This machine consists of a mould table seated on a rotating cam driven at 60 revolutions per minute. The apparatus is supplied with separate mains switch box, push button start/stop control, and automatic stop control at end of test.

Ordering Information

EL39-1150/01 Jolting Table supplied without moulds. Weight 55kg. For 220 – 240V AC, 50 Hz, 1ph.

EL39-1100 Three-gang Mould for 40.1 x 40 x 160mm mortar prisms. Supplied with glass plate. Weight 12.2kg.

EL39-1120 Feeding Hopper for EL39-1100 Mould.

EL39-1130 Scraper double-ended, used for spreading and levelling mortar in mould.

EL39-1170 Mortar Sand. Graded pack for 3 prisms. 1350g pack.