

## Mortar Testing

### Workable Life, Stiffening Time and Setting Time Apparatus

UTCM-0064

The apparatus is used for determining the stiffening time of repair products and systems comprising hydraulic based mortar and concrete (CC), including those modified by the addition of polymers (PCC) and workable life of fresh mortar after the mixing procedures.

The Apparatus consist of a vertical loading pillar with a base. Supplied complete with a brass penetration rod with washer and a sample container (Ø75x75 mm aluminium).

UTC-0705 Needle Set for concrete setting time test acc.to ASTM should be ordered separately

UTW-0637 Digital Balance for the initial setting time, workable life and stiffening time should be ordered separately, as well.

Also, for determining concrete final setting time, instead of UTW-0637, UTW-0654 should be ordered separately.

### Plunger Penetration Apparatus

UTCM-0065

The UTEST Plunger Penetration Apparatus is used to determine the consistency of fresh mortar, building lime and masonry cement. The test apparatus consists of a base to place the test cup and a vertical column holding the penetration plunger assembly. The drop default height is adjusted to 100 mm. The plunger assembly weight is 90 g.

The Plunger Penetration Apparatus is supplied complete with;

- Test cup, Ø 80 mm x 70 mm
- Tamper



### Solid Mould

UTCM-0067

The UTCM-0067 Solid Mould is used to determine the water retention of masonry cement specimens.



## Technical Specifications

### UTCM-0064

**Dimensions** 400x400x600 mm

**Weight (approx.)** 10 kg

### UTCM-0065

**Dimensions** 200x200x600 mm

**Weight (approx.)** 6 kg

### UTCM-0067

**Dimensions** 100x100x25 mm

**Weight (approx.)** 0.1 kg

## About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

## Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers