

CEMENT SHRINKAGE CABINET

(+23°C WITH 50% TO 90% RH)

Image: TCSTC-280-1-GD



Thermoline Cement Shrinkage Cabinet

- Designed with the Cement and Concrete Testing Association of Australia
- Designed to ensure uniformity of temperature, humidity and air flow velocity over samples
- Fitted with four swivel casters for ease of installation, maintenance and cleaning
- Triple glazed front door to allow viewing of samples inside
- Digital set point temperature and humidity controllers
- Attractive grey PVC steel exterior
- Stainless steel interior



Perforated shelves with wire support grids

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 **Thermoline**
S C I E N T I F I C
H I G H E R S T A N D A R D S I N S C I E N C E

PRODUCT DETAILS

The Thermoline Cement Shrinkage Test Chamber was designed for, and in conjunction with, the Cement and Concrete Testing Association of Australia to form part of the range of equipment necessary to perform the Australian test procedure, Australian Standard AS2350.13 - 2006. It is well recognized that the evaporation of water from test samples is influenced by the following factors.

- a) Surrounding Air Temperature
- b) Surrounding Air Relative Humidity
- c) Air velocity over the surface of samples
- d) The surface area to volume ratio of test samples

The Thermoline Shrinkage Testing Chamber has been designed to ensure uniformity of temperature, humidity and air flow velocity over samples placed on up to eleven shelf levels.

Product Features
Shelves : 11 Off. Perforated stainless steel at 75mm. centres. (Removable)
Support Bracket : 11 Off. stainless steel grid support, 6mm, dia. Rods on 100mm, centres
Heating : By 'calrod' sheathed resistance elements
Air Flow : Horizontal forwards through workspace from a perforated distribution plenum at the rear of the chamber
Humidification : By evaporation from the surface of a temperature controlled dew point trough
Refrigeration : An air cooled, hermetically sealed condensing unit using R134a refrigerant
Control : Temperature and Humidity Controllers are both digital set point and indicating values
Safety Thermostats : Operator settable, fitted as over temperature and low temperature protection

SPECIFICATIONS

Model	TCSTC-280-1-GD
Capacity (litres)	280
Internal Dimensions (HxWxD mm)	900x580x550
External Dimensions (HxWxD mm)	1720x690x720
Humidity (% RH)	50 to 90
Shelves	11
Stainless Steel Grids	11
Electrical	240V 10A
Temperature (°C)	23
Weight (kg)	160

Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

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