

VICAT APPARATUS

The Vicat Apparatus is used to determine the standard consistency, setting time, and soundness of cement and other hydraulic binders. The instrument consists of a metallic frame with a movable rod and interchangeable needles.



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SPECIFICATION

Vicat mould: Top 70 mm, Bottom 0.5 mm, Height 0.5 mm,

Plunger: 10 mm Dia

Initial Setting Needle: 1.13 mm Dia

Graduated Scale: 40 mm Length

STANDARDS

IS 5513:1996

FEATURES

- Used for 3 cement tests in one setup: consistency, initial setting, final setting.
- Interchangeable attachments with needles.
- Clear graduated scale for precise penetration readings.
- Corrosion-resistant materials ensure long life.
- Compact, stable design for lab bench or field use.

ACCESSORIES

Vicat Mould: The mould that holds the cement paste during the test.

Initial Setting Time Needle: Checks when cement starts to harden

Glass Base Plate: Smooth plate under the mould for a flat, clean surface.

Graduated Scale with Pointer: how deep the needle or plunger goes into the cement.

Movable Rod with Cap: Holds the needle or plunger; moves straight up and down

ORDERING CODE

CH-CM-VC0019-IS

The Vicat apparatus is supplied with metal body, Vicat mould, Initial setting time needle, Glass Base plate, Movable Rod with cap and BIS certificate.