

VICAT APPARATUS (C090)

Category: Cement



Product Code: C090

Category: CEMENT

Sub-Category: WORKABILITY & CONSISTENCY

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- The Vicat Apparatus is designed to determine the setting time and consistency of hydraulic cement and lime, essential parameters for assessing material performance in

construction applications.

- It features a movable rod with a total weight of 300 g, equipped with interchangeable needles and a plunger to perform various tests, including initial and final setting time and standard consistency.
 - The apparatus includes a graduated scale for precise measurement of needle penetration, ensuring accurate and repeatable results in accordance with international standards.
 - Constructed with a rigid frame and durable materials, the Vicat Apparatus is suitable for both laboratory and field environments, providing reliable performance over extended use.
 - Optional automatic models are available, offering programmable testing procedures and digital data acquisition for enhanced efficiency and documentation.
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STANDARDS

ASTM C187 • ASTM C191 • EN 196-3 • AASHTO T129 • AASHTO T131

TECHNICAL SPECIFICATIONS

Standard	ASTM C187 - C191	EN 196-3
Movable rod weight	300 g	300 g
Vicat Mould	Ø 60 / Ø 70 mm x 40 mm	Ø 70 / Ø 80 mm x 40 mm
Needle	Ø 1 mm	Ø 1.13 mm
Consistency Plunger	Ø 10 mm	Ø 10 mm
Container	○	●
Thermometer	●	●
Glass Plate	●	●

SUPPLIED WITH

- Vicat Apparatus (Code: C090)
- Vicat Mould (ASTM or EN compliant)
- Setting Time Needle (ASTM or EN compliant)
- Consistency Plunger
- Glass Plate

ORDERING INFORMATION

Item	Code
VICAT APPARATUS - ASTM	C090H00AH
VICAT APPARATUS - EN	C090H00EH
AUTOMATIC VICAT APPARATUS - ASTM	C090A00AH
AUTOMATIC VICAT APPARATUS - EN	C090A00EU
VICAT MOULD - ASTM	C090P001H
VICAT MOULD - EN	C090P002H
VICAT INITIAL SETTING TIME NEEDLE - ASTM	C090P003H

VICAT INITIAL SETTING TIME NEEDLE - EN	C090P004H
VICAT FINAL SETTING TIME NEEDLE - EN	C090P006H
CONICAL PENETRATION NEEDLE - EN 13279-2	C090P007H
VICAT WEIGHT - 700 g	C090P008H
CONSISTENCY PLUNGER for VICAT APPARATUS - Ø 10 mm	C090P009H

Keywords: Vicat Apparatus, cement setting time tester, ASTM C187, ASTM C191, EN 196-3, AASHTO T129, AASHTO T131, cement consistency measurement, hydraulic cement testing, ALFA Testing Equipment, Vicat needle test