

CONCRETE

Name: V-Funnel

Purpose: Determination of flow time of Fresh Concrete

Standards: EN 11042



Name: L-Shape Box

Purpose: Determination of confined flowability of Fresh Concrete

Standards: EN 11043



Name: U-Shape Box

Purpose: Determination of confined flowability of Fresh Concrete

Standards: EN 11044



Name: J-Ring

Remarks: J-RING, galvanized steel, having rectangular section 30 x 25 mm and median diameter of 300 mm. The medium circumference of the ring is drilled, and different cylindrical bars dia. 10 x 100 mm is fixed into the holes. The bars have distance of 48 mm between them.

Standards: EN 11045, EN 12350



Name: Slump Cone Test

Purpose: For the determination of the consistency, the medium and high workability of fresh concrete.

Standards: EN 12350/2 - BS 1881:102 - AASHTO T119
ASTM C143 - NF P18-305, P18-451
UNI 7163, 9418 - UNE 7103, 83313



Name: Air Entrainment Meter

Purpose: For recording directly the percentage of air enclosed in freshly mixed concrete by operating according to the air pressure principle.

Standards: EN 12350/7 - BS 1881:106 - UNI 6395
ASTM C231 type A - NF P18-353 - UNE 7141



Name: Needle Vibrator



Purpose: With internal combustion engine, applied for consolidation of fresh, molded concrete specimens which aim is easily accomplished in the laboratory or at the work site with this electric driven.

Standards: ASTM C 31, C 138, C 132
AASHTO T-23, T-121, T-126
EN 12390/2 BS 1881:108 - UNI 6137

Name: Vibration Table



Purpose: Reduce the need to trowel during pours, Reduce or eliminate the need to hand finishing to remove flaws caused by trapped air, Dramatically improve product quality and reduce defects without increasing costs

Standards: ASTM C1176 / C1176M - 13

Name: Strength Testing Machine – Compressive Strength Test



Remarks: The compressive strength of the set cement is the compressional force required to crush the cement divided by the cross-sectional area of the sample.

Standards: C 109/C 109M – 07'1

Name: Flexural Testing Machine



Purpose: To perform flexural tests on concrete beam specimens having max. dimensions of 150x150x750 mm

Standards: EN 12390/5 - UNI 6133 - ASTM C78, C293 AASHTO T97 - BS 1881:118 - UNE 83305 - NF P18-407

Name: Drum Type Mixer



Remarks: Suitable for field mixes of high/medium strength concrete. Drum volume 250 litres

Standards: EN 12390-2

Name: Curing Tank



Purpose: To provide curing condition of concrete specimens

Standards: BS 1881:111 UNI 6129 UNI 6128 NF P18-404 ASTM C511 UNI 6127ASTM C31 EN 12390-2 UNE 7240 AASHTO T23 ASTM C192

Name:

Steel Mold

Remarks: Concrete Steel molds produce specimens for testing, or serve as a container for mortar penetration and set-time tests.

Standards: ASTM C470 / C470M – 15
ASTM C403, AASHTO T 197M/T 197

