

A070 FLAKINESS | THICKNESS GAUGE

STANDARD: BS 812:105.1

Suitable to verify if aggregate is flaky; i.e. if its thickness is less than 0.6 of its nominal size. Constructed of heavy gauge stainless steel sheet.

Weight: 600 g



A070

A071 LENGTH GAUGE

STANDARD: BS 812:105.1

Ideal to determine if aggregate is elongated; i.e. if length is more than 1.8 of nominal size. Mounted on a hardwood base.

Weight: 1 kg approx.



A072

DETERMINATION OF THE LIGHTWEIGHT AGGREGATES CRUSHING RESISTANCE

STANDARD: EN 13055-1 method 1 and 2

MODELS

A081-01 METHOD 1

Apparatus for the determination of the crushing resistance of lightweight aggregates having diameter from 4 to 22 mm, and a volumic mass over 150kg/m³. Composed of: upper and lower cylinder inside diameter 113 mm, ring with adjustable height, piston, base. Made of steel, plated against corrosion.

Dimensions: Ø 180 mm by 260 mm height

Weight: 15 kg approx.

A081-02 METHOD 2

Apparatus for the determination of the crushing resistance of lightweight aggregates having volumic mass lower than 150kg/m³. Composed of: upper and lower cylinder inside diameter 76 mm, piston, base.

Made of steel, plated against corrosion.

Dimensions: Ø 100 mm by 200 mm height.

Weight: 6 kg approx.



A081-01



A073N

Note: for a complete test configuration, see page 263

A072 SHAPE GAUGE - SHAPE INDEX

STANDARDS: EN 933-4, EN 933-5, EN 933-7
DIN 4226 | CNR N.95 | NLT 354

For measuring the length/thickness ratio of individual particles.

Weight: 500 g

A072-10 PROPORTIONAL CALIPER

STANDARD: ASTM D4791

Used either for rapid determination of percentages of flat and elongated particles in coarse aggregate fractions of 3/8" (9.5 mm) or larger. Consisting of 8"x16" (203.2x406.4 mm) base plate with rubber feet, two fixed posts and a 12" (305 mm) pivoting arm, allowing ratios of 1:2, 1:3, 1:4, 1:5 to be obtained.

Weight: 3 kg approx.



A072-10

GEOMETRICAL PROPERTIES OF AGGREGATES EFFLUX INDEX OF FINE AGGREGATES

STANDARDS: EN 933 | NF P18-564 | CNR No. 113
ASTM C1252

A073N EFFLUX INDEX APPARATUS

Used to measure the efflux index of fine aggregates (shape and angularity). The efflux index of an aggregate is the required time in seconds of a known volume of aggregates to flow from a known opening.

The unit is basically formed by aluminium body, Ø 90 mm by 125 mm height, aluminium feed hopper Ø 100 mm by 170 mm height, control shutter, polycarbonate funnel having 85 mm height, 60° conical part, which end has Ø 12 mm, base support, valve, decanter.

Dimensions: 200x240x600 mm

Weight: 8 kg approx.