

**A111**

**Abrasion machine**

**AGGREGATE ABRASION VALUE (AAV) DETERMINATION**

STANDARDS: EN 1097-8 / BS 812:3

The test gives a measure of the resistance of aggregates to surface wear by abrasion.

Inadequate abrasion of road-surfacing aggregates means an early loss of the texture depth required to maintain high-speed skidding resistance.

The machine consists of a heavy duty mainframe on adjustable anti-vibration pads, steel lap wheel 610 mm diameter; that rotates in a horizontal plane at 28/30 r.p.m., precision machined steel shaft and sealed bearings, resilient mounted electric motor; gear box, scraper blades for sand removal, revolution counter.

Supplied complete with two specimen moulds, two flat plates, two trays, weights, fixing device.

Power supply: 230 V 1 ph 50 Hz

Dimensions: 800x700x1100 mm

Weight: 200 kg



A111

ACCESSORIES:

**A111-11** Graded silica sand. Pack of 25 kg.

**V179-05** Soft hair brush 3 mm dia. BS 812

SPARE PART:

**A111-12** Two specimen moulds.

**A112**

**Abrasion tester for natural stones and concrete**

**ABRASION RESISTANCE ON NATURAL STONES AND CONCRETE TILES FOR PAVING**

STANDARDS: EN 1338, 1341, 1342, 1343 / EN 14157

CEN-TC 178 / UNI 10532 / BS 6717:2001

Used to determine the resistance to abrasion and wear of concrete products and natural stones, by measuring the length of a groove produced on the specimen surface by a disc with thickness of 70 mm that rotates at controlled speed and makes a constant pressure on the specimen. A charge of abrasive material must be interposed between the disc and the specimen. The instrument is supplied with aspirator to collect powders, electronic speed controller and shutting off device after the set number of revolutions, 1 kg of abrasive material, accessories and cabinet to CE Safety Directive.

Power supply: 230V 50 Hz 1 ph 500W

Dimensions: 450x420x800 mm.

Weight: 85 kg



A112 / A112-10

**A112-10**

**Abrasion tester for bricks and glazed tiles**

STANDARDS: EN 102 / EN 12808-2 / CEN 178 / ISO 10545-6

Same to mod. A112 but with disc thickness of 10 mm.

Suitable for bricks and ceramic glazed tiles.

SPARE:

**A112-01** Abrasive white corundum sand 80 grade. Pack of 5 kg.

section A

