

## A111N ABRASION MACHINE

### AGGREGATE ABRASION VALUE (AAV) DETERMINATION

STANDARDS: EN 1097-8 | Comparable to BS 812-113

The test measures the resistance of aggregates to surface wear by abrasion. Inadequate abrasion of road-surfacing aggregates leads to an early loss of the texture depth required to keep high-speed skidding resistance.

The machine consists of a heavy duty mainframe on adjustable feet, steel lap wheel 615 mm diameter, which rotates in a horizontal plane at 28/31 r.p.m., precision machined steel shaft and sealed bearings, resilient mounted electric gearmotor, scraper blades for sand removal, revolution counter.

The control panel can be wall fixed or placed on a bench.

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

**Power supply:** 230V 1ph 50-60Hz

**Dimensions:** 1130x710x1100 mm

**Weight:** 200 kg approx.



**A111N**

### ACCESSORIES

**V179-05** SOFT HAIR BRUSH Ø 3 mm BS 812

**A111-11** GRATED SILICA SAND. Pack of 25 kg, compliance with EN 1097-8.

### SPARE

**A111-12**

Two specimen moulds.



**A111-12**

## A112 ABRASION TESTER FOR NATURAL STONES AND CONCRETE

### ABRASION RESISTANCE OF NATURAL STONES AND CONCRETE TILES FOR PAVING

STANDARDS: EN 1338, 1339, 1340, 1341, 1342, 1343 | EN 14157  
UNI 10532 | BS 6717

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 through 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 an electronic speed controller and shutting off device after the set number of revolutions, 1 kg of abrasive material, a calibration plate comparable to boulonnais marble, accessories and cabinet conforming to CE Safety Directive.

**Power supply:** 230V 50-60Hz 1ph 500W

**Dimensions:** 450x420x800 mm

**Weight:** 85 kg approx.



**A112-05**

**A112 ... A112-10**

## A112-10 ABRASION TESTER FOR BRICKS AND TILES

STANDARDS: EN 102 | EN 12808-2 | EN 1344, 10545-6, 14617-4  
ISO 10545-6 | UNE 127024

Same as mod. A112 but with disc thickness of 10 mm.  
Suitable for bricks and ceramic glazed tiles.

## A112-11 CONVERSION KIT

Used to convert the abrasion tester mod. A112 into mod. A112-10. It comprises abrasion disc Ø 200 mm x 10 mm thick, counter weight and hopper.

### SPARES

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

**A112-05** Calibration plate comparable to boulonnais marble.