ABRASION MEASURING BASED ON BÖHME

C129

Abrasion Tester Böhme

STANDARDS: **EN 1338 :2004 / EN 1339, 1340, 13892-3 / EN 14157 /** DIN 52108

C129

The instrument measures a volume loss in a specimen under abrasion test and it's used in tests such as:

- paving stones
- concrete slabs
- slabs made of natural rocks
- natural stone slabs

The test is performed by positioning a specimen to be verified in a abrasion tester Böhme apparatus on the test track on which has been spread normalized abrasive; the grinding wheel it's made rotate and the specimen submitted to the abrasive load of 294 N for a certain number of cycles.
Before doing a test, establish the specimen's bulk density by measuring weight and thickness.
Perform the test for 16 cycles composed of 22 turn each, calculating at the end a worn as a average loss in volume and weight.

The apparatus is basically composed of:

- cast iron horizontal disc with a speed of 30 rpm and a diameter of 750mm furnished of a 200mm test track to position a specimen.
- Separate control panel with digital revolutions counter with automatic stop after preset revolutions
- Specimen's holder
- Adjustable charger used to produce a force of 294 N ± 3 N on a specimen

Power supply: 230V 50Hz 1PH 800 W
Dimension: 1500 x 1000 xh 850 mm
Weight: 320 kg

ACCESSORIES:

C129-01
ABRASIVE MATERIAL composed of fused alumina (artificial corundum) Pack of 25kg.

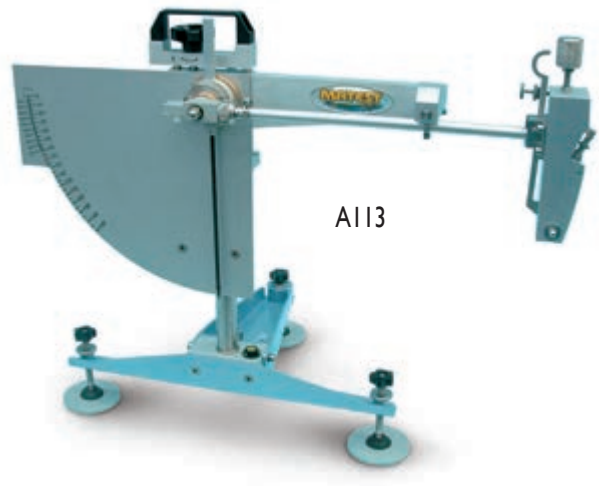
C129-02
MEASURER THICKER REDUCTION, composed of dial gauge with anular contact face with a diameter of 8-5 mm and measuring board.

C129-02

A113

Skid resistance and friction tester

STANDARDS: **EN 1338, EN 1341, 1342, EN 1339**
Used for tests on concrete block pavers, natural stones, and skidding tests on wooden floor.
Technical details: see pag. 53



A113

ACCESSORIES:

A110-11 Metal base plate.

A110-13 Clamping device for tests on concrete block pavers (EN 1338); natural stones (EN 1341, 1342); skidding tests on wooden floor (EN 1339).