

ABRASION MEASURING BASED ON BÖHME

C129 ABRASION TESTER BÖHME

STANDARDS: EN 1338, 1339, 1340 | EN 13748-2, 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
- terrazzo tiles

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 to 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 200 mm wide 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 \pm 3 N on a specimen.

Power supply: 230V 50Hz 1PH 800W

Dimension: 1500x1000x850 mm

Weight: 320 kg approx.

ACCESSORIES

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



C129-02

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

A113 SKID RESISTANCE AND FRICTION TESTER

STANDARDS: EN 1338, 1340, 1341, 1342, 1339, 13412

Used for tests on concrete block pavers, natural stones, and skidding tests on wooden floor.

Technical details: see p. 54



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).