AGGREGATE > ABRASION RESISTANCE

ABRASION TESTING MACHINE for NATURAL STONES and CONCRETE TILES

Code : R197



- The Abrasion Tester for Natural Stones and Concrete Tiles is used to evaluate the abrasion resistance of natural stones and concrete tiles under standardized conditions.
- The test involves subjecting the specimen's surface to abrasive action using a rotating disc and specified abrasive material, simulating real-world wear scenarios.
- The apparatus comprises a wide abrasion disc, a storage hopper for abrasive material, a clamping trolley to hold the specimen, and a counterweight system to apply consistent pressure.
- The abrasion disc, with a diameter of 200 mm and thickness of 70 mm, rotates at 75 revolutions per minute, ensuring uniform abrasion across the specimen surface.
- A mobile clamping trolley, mounted on bearings, is propelled towards the rotating disc by a 14 kgf counterweight, maintaining consistent contact during testing.
- The abrasive material used is white fused alumina (corundum) with a grit size of F80, providing reliable and repeatable test results, which should be ordered separately.

STANDARDS

EN 1338 • EN 1339 • EN 1340 • EN 1341 • EN 1342 • EN 12808-2 • EN 14157

TECHNICAL SPECIFICATIONS

- Abrasion Disc Diameter: 200 mm
- Abrasion Disc Thickness: 70 mm
- Rotation Speed: 75 rpm
- Counterweight Mass: 14 kgf
- Power Supply: 220 – 240 V / 50 or 60 Hz

EQUIPPED WITH

- Abrasion Disc
  - Diameter 200 ± 1 mm
  - Thickness 70 ± 1 mm
- Digital Revolution counter

ORDERING INFORMATION

Item Name	Item Code
ABRASIVE POWDER (F80) - 1 kg	R197P001H
WIDE WHEEL ABRASION TESTER for NATURAL STONES [60 Hz]	R197X00EK
WIDE WHEEL ABRASION TESTER for NATURAL STONES [50 Hz]	R197X00ET