

ROCK AND AGGREGATES TESTING

Methods for the determination of resistance to wear and fragmentation
(continued)

Mechanical and physical properties

ABRASION RESISTANCE OF NATURAL STONES AND CONCRETE TILES FOR EXTERNAL PAVING

STANDARD
EN 1341, 1342, 1343

48-D0471
Abrasion testing machine for natural stones and concrete tiles.
230 V, 50 Hz, 1 ph.

General description and specifications

This machine has been developed for determining the resistance to abrasion/wear of natural stones and concrete products. Easy to use, electronic control of the disc speed with auto shut-off of the machine at the selected number of revolutions. Complete with aspirator to collect powders. The abrasion disc wheel is 70 mm thick. Supplied complete with 5 kg of white corundum FEPA grit size 80.

Overall dimensions:
620x670x850 mm
Weight approx.: 85 kg

Accessories

48-D0471/1 Abrasive white corundum sand 80 grade. Pack of 5 kg



48-D0471



48-D0524

DETERMINATION OF THE RESISTANCE TO WEAR (MICRO-DEVAL)

STANDARD
EN 1097-1
Also conforming to NF P18-572, P18-576, CNR No. 109, UNE 83 115

48-D0524
Micro-Deval testing machine.
230 V, 50 Hz, 1 ph.

General description and specifications

Used to determine the resistance to wear of aggregates. The machine consists of a steel frame, four stainless steel cylinders, and 25 kg of 10 mm diameter stainless steel spheres. The machine stops automatically at the preset number of revolutions. The machine can also be supplied without stainless steel spheres. Ask for code 48-D0524/A.

Power: 1100 W
Dimensions: 1000x450x920 mm
Weight approx.: 130 kg

Accessories and spares

- 48-D0524/1 Steel spheres, 30 mm dia. Pack of 10. Conforming to NF P18-576
- 48-D0524/2 Steel spheres, 18 mm dia. Pack of 50. Conforming to NF P18-576
- 48-D0524/4 Spare standard cylinder. Stainless steel
- 48-D0524/5 Steel spheres, 10 mm dia. Pack of 25 kg
- 48-D0524/6 Stainless steel cylinder 200 mm dia. x 400 mm length. Conforming to NF P18-572

- Stainless steel jars
- Preset revolution counter
- Safety guard (CE)

AGGREGATE CRUSHING VALUE. BS METHOD

STANDARD
BS 812:110

48-D0510
Standard aggregate crushing value apparatus. 150 mm dia.

48-D0511
Aggregate crushing value apparatus. 75 mm dia.

General description and specifications

The aggregate crushing value provides a relative measure of the resistance of an aggregate to crushing under a gradually applied compressive load. Supplied complete with cylinder, plunger, base plate, tamping rod, and measure.

Weight approx.: 16.5 kg for 48-D0510 and 3.5 kg for 48-D0511

Important note

The ACV test can be performed with our automatic test systems. See page 144.



48-D0510, D0511