



## TILE ABRASION TESTING MACHINE WITH DIGITAL COUNTER-

### Compliance Standards:

IS : 1237-1980, IS : 1706 - 1972

### Applications:

This is used for determination of resistance to wear for Cement & Concrete flooring tiles.

### How it works?:

The tile sample of 7.06 cm x 7.06 cm is pressed under a specified load against a grinding path strewn evenly with an abrasive powder revolving at the rate of  $30 \pm 1$  r.p.m. At the end of 100 revolutions of the disc, the second parallel side of the tile is subjected to wear for an equal number of revolutions of the disc. The wear of tile is measured using a thickness gauge

### Details of the equipment:

The Abrasion testing machine consists of following parts and accessories

- A replaceable grinding path fitting on to a disc rotating its vertical axis.
- The rotating disc and grinding path are enclosed by a circular tray.
- A bracket to hold the test specimen of 7.06 cm x 7.06 cm size.
- The loading is by a counter balanced lever.
- A funnel is provided to facilitate charging the grinding path with abrasive powder.
- Supplied complete with automatic preset revolution counter and one 7.5 kg weight
- Also supplied with 1 kg abrasive powder and dial thickness gauge of 0.01 x 25mm to measure abrasion of tile after the test.
- Suitable for operation 230 V, single phase, Ac supply.

### Optional accessories at extra cost:

1) Electronic balance 2 kg x 0.1 Grams @ Rs 7950.00



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