

## TILE ABRASION TESTING MACHINE

MODEL NO – SL-CC-114, MAKE – LABTEK, ORIGIN – INDIA



### AS PER IS: 1237 & 1706.

This is used for determination of resistance to wear for cement concrete flooring tiles. Tiles specimen of size 7.06cm x 7.06cm is pressed face-wise under specific load on a grinding path and abrasive powder is evenly spread on the rotating grinding path and after specific number of revolutions of the grinding disc the second parallel side of the tile is subjected to wear for similar number of rotations. The wear of the tile is measured on a thickness gauge specifically made for the purpose. The machine consists of a disc rotating at a speed of 30 rpm in a circular tray. A bracket is provided to hold the specimen. A counter balance lever loads the specimen. Load applied is 30kgf. A funnel is fitted to evenly spread abrasive powder on the grinding path. A pre-set counter automatically stops the machine after 22 revolutions. This counter is re-adjustable. The machine works on 440 volts AC, three phase electrical supply.