Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Tile abrasion testing machine

Product Code :

SLE/CE/102



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Description :

Tile abrasion testing machine (Product Code: SLE/CE/102) is a rotating grinding-path machine used to measure the wear resistance of floor and paving tiles pressed under a set load against an abrasive-strewn track, in civil engineering and building materials laboratories. Tile makers' quality labs and engineering colleges use it for abrasion tests, with the grinding path turning at 30 ±1 revolutions per minute and a counter-balanced lever applying the load. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Grinding path	Replaceable grinding path fitted onto a disc rotating on its vertical axis
Speed	30 ±1 revolutions per minute
Specimen holding	Bracket holds the tile specimen against the grinding path
Loading	Counter-balanced lever; one 7.5 kg weight supplied
Abrasive charging	Funnel for spreading abrasive powder on the grinding path
Enclosure	Circular tray around the rotating disc and grinding path
Counter	Automatic pre-set revolution counter (supplied)
Not included	Abrasive powder and thickness gauge
Power supply	230 V, single phase, AC
Product code	SLE/CE/102
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Tile Abrasion Tester Used For?

Floor tiles in corridors, factories and public buildings must resist the scouring of grit carried on shoes and wheels, and this machine reproduces that wear in a controlled way. The tile is clamped in the bracket, loaded through the counter-balanced lever with the 7.5 kg weight, and pressed onto the grinding path while abrasive powder is fed through the funnel. The counter is preset so the disc stops after the required number of revolutions.

Wear is found by measuring the tile's thickness before and after the run with a thickness gauge, which you add separately. Spread the abrasive evenly, clean the tray between specimens and replace the grinding path when it becomes worn. The machine is useful engineering lab equipment for building materials courses as well as for factory quality checks on tiles.

What to Specify When Ordering

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