

Tile Abrasion Testing Machine

Make: LabTek

Model: SL-AG-024

Origin: India

Standards: IS 1237 & 1706 for Cement Flooring Tiles.

The Tile sample is pressed under a specified load against a grinding path strewn evenly with an abrasive powder revolving at the rate of 30 ± 1 revolutions per minute. 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 the tile is measured using a thickness gauge.

Consists of 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 holds the specimen. The loading is a counter balanced lever. A funnel is provided to facilitate charging the grinding path with abrasive powder. Supplied complete with an automatic pre-set revolution counter and one 7.5kg weight but without abrasive powder and thickness gauge. Suitable for operation on 230 Volts, Single phase, AC supply.



Magnesium Sulphate / Sodium Sulphate Test Water Bath

Make: LabTek

Model: SL-AG-025

Origin: India

Standards: EN 1367-2 | EN 13450 | ASTM C88 | UNI 8520-10 | UNE 7136

Specification: Magnesium Sulphate and Sodium Sulphate Tests are used for determining the soundness of aggregates when subjected to weathering action such as freezing and thawing cycles. It should be noted that other equipment like ovens, sieves, balances etc. are also required to perform these tests.

Sodium Sulphate can be used instead of Magnesium Sulphate according to the ASTM standard. Hydrometer 1100- 1200 g/ml is required for the test with Sodium Sulphate. (The temperature of test solution that is in the dipping chamber produced of stainless steel can be automatically adjusted to required temperature with the heating and cooling system). Homogeneous temperature distribution can be obtained with the water circulation pump. The temperature controller is a microprocessor type. The Magnesium Sulphate / Sodium Sulphate Test Water Bath can be used as a general purpose water bath when the dipping cabinet is removed.



Alkali Aggregate Reaction Bath

Make: LabTek

Model: SL-AG-026

Origin: India

Standards: ASTM C227

Specification: The Alkali Aggregate Reaction Bath is used to keep 25 x 25 x 285 mm samples in NaOH (Sodium Hydroxide) or in any other solution at a specified temperature. The temperature can be adjusted between ambient to 80°C by using the digital controller with 2°C accuracy. The chamber is made of stainless steel and has a capacity for 36 specimens (25 x 25 x 285 mm). Supplied complete with 3pcs. stainless steel alkali specimens cans. Each can has a stainless steel hanger which can hold 3pcs. 25 x 25 x 285 mm specimens. Additional alkali specimens cans should be ordered separately.



Climatic chambers

Make: LabTek

Model: SL-AG-027

Origin: India

Standards: EN 1367-1 | EN 196-1

Specification: Monobloc stainless steel cabinet. All internal angles have been rounded for easy cleaning. Insulation with high density polyurethane 60 mm thick. The shelves are supported on stainless steel guides capable of holding heavy specimens. The cooling system and controls are located in the top of the cabinet for easy inspection and maintenance.

Advanced controller with cycle programmer for 50 programs and 1000 segments

Temperature sensor movable inside the cabinet or inside the sample conforming to Standard requirement

High accuracy: $\pm 1^\circ\text{C}$, $\pm 5\% \text{RH}$.

