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Product Name :

Efflux Index Apparatus

Product Code :

SLE/AG/09



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Description :

Efflux Index Apparatus (Product Code: SLE/AG/09) is a funnel-and-hopper flow tester used to measure the flow coefficient of fine aggregates, which gives information on grain shape and angularity, in concrete and highway laboratories. The result is simply the time in seconds for a specified volume of sand to pass a given opening, and the set includes two funnels with different openings. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM science apparatus manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Purpose	Flow coefficient (efflux index) of fine aggregates; information on grain shape and angularity
Components	Two funnels with different openings, cylindrical hopper, metal stand with a shutter, metal container
Result expressed as	Time in seconds for a specified volume of aggregate to flowthrough a given opening
Weight capacity	5 kg
Dimensions	150 x 180 x 410 mm
Product code	SLE/AG/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Efflux Index Apparatus Used For?

The apparatus is set up on a level bench with the chosen funnel fitted below the cylindrical hopper and the metal container placed underneath. With the shutter closed, dry fine aggregate is poured into the hopper; the shutter is then opened and a stopwatch started at the same moment, and timing stops when the flow finishes. The time recorded is the flow coefficient, and repeat runs on the same sample should agree closely before a result is reported. Comparing sands from different pits, or natural sand with manufactured sand, shows at a glance which will give a more workable mix.

As low-cost engineering lab equipment in India's concrete technology courses, the test is quick and needs no power, so many samples can be run in one session. Always use completely dry sand, because damp grains clump and give a falsely long time, and wipe the funnels and shutter after each run.

OEM Manufacturer

Jain Scientific Equipments Private Limited, known by its brand ScienceLab, is the OEM (original equipment manufacturer) of the Efflux Index Apparatus. The complete set is made at the comp ect to co repla The