INDEX APPARATUS (FLOW COEFFICIENT OF FINE AGGREGATES) AZA0975

The AZA0975 Flow Coefficient Index Apparatus is a precision laboratory instrument designed to determine the flow coefficient of fine aggregates, including natural sand, crushed sand, and manufactured sand.

The flow coefficient is a critical parameter used to evaluate particle shape, surface texture, and grading characteristics, which directly influence the workability, water demand, and strength of concrete and mortar mixes.

Engineered in compliance with IS 2386 (Part I), the AZA0975 provides a simple, reliable, and repeatable method for assessing aggregate flow behavior under standardized conditions.

Key Functional Features

Precision Funnel Geometry

Conical funnel with:

- 60° ± 0.5° angle
- Ensures controlled and uniform material flow

Complete Testing Assembly

Supplied as a ready-to-use set:

- Funnel
- Supporting stand
- Measuring cylinder
- Base plate

Robust Construction

- Materials:
  - Powder-coated mild steel
  - Aluminum (optional)
- Corrosion-resistant and durable

Stable Base Platform

- Ensures vibration-free operation
- Improves measurement repeatability

Manual & Field-Friendly Operation

- No power requirement
- Suitable for both laboratory and site use

Standards Compliance

Manufactured in accordance with:

- IS 2386 (Part I) – Methods of Test for Aggregates for Concrete

Ensures standardized and comparable test results across laboratories and projects.

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0975
Product Type	Flow Coefficient Index Apparatus
Standard Compliance	IS 2386 (Part I)
Funnel Angle	60° ± 0.5°
Funnel Material	Powder-coated MS / Aluminum
Cylinder Capacity	As per IS standard
Base Plate	Metal / Glass, corrosion-resistant
Operation	Manual
Footprint (Approx.)	300 × 150 mm
Application	Flowability testing of fine aggregates