

Polished Stone Value (PSV) Apparatus

MODEL: HT-324

The Polished Stone Value (PSV) Apparatus, conforming to BS 812-114, is used to determine the resistance of aggregates to polishing under simulated traffic conditions. This test evaluates the skid resistance characteristics of aggregates, which are critical for selecting materials for road surfacing, paving blocks, and airport runways. The apparatus subjects aggregate specimens to controlled polishing using abrasive charges and water under a rotating wheel, simulating the effect of vehicular movement

Key Features

- Conforms to BS 812-114
- Simulates actual traffic polishing conditions
- Controlled abrasive feed system (coarse & fine emery)
- Controlled water flow system
- Precision load application mechanism
- Automatic revolution counter with preset control
- Robust construction with safety features
- Easy specimen mounting and replacement



Technical Specifications

- Standard Compliance: BS 812-114
- Road Wheel Speed: 315 – 325 RPM
- Applied Load on Specimens: 715 – 735 N
- Abrasive Feed Rates:
 - Coarse emery: 20 – 34 g/min
 - Fine emery: 2 – 4 g/min
- Water Flow Rate:
 - Coarse stage: 20 – 34 ml/min
 - Fine stage: 5 – 8 ml/min
- Number of Specimens: Up to 14 specimens per cycle
- Drive System: Motor with belt/gear drive

- Control: Revolution counter with auto stop
- Collection System: Removable tray for slurry collection
- Power Supply: 220V AC, Single Phase, 50 Hz

Ordering Information

HT-324 Polished Stone Value (PSV) Apparatus

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