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U SHAPE BOX APPARATUS AZA1113

The AZA1113 U Shape Box Apparatus is a precision testing instrument designed to evaluate the blocking resistance and passing ability of Self-Compacting Concrete (SCC) under simulated congested reinforcement conditions. It replicates real-world scenarios where concrete must flow through densely arranged reinforcement without segregation or obstruction.

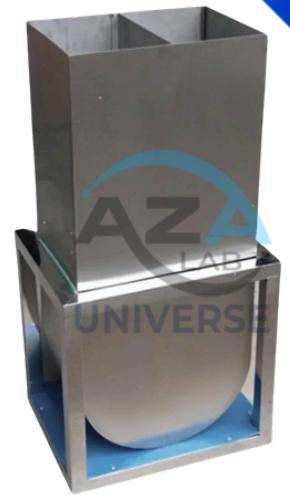
Engineered in accordance with EN 12350-11 and EFNARC guidelines, the apparatus provides a quantitative assessment of SCC performance, helping engineers verify mix suitability for high-density structural applications such as beams, columns, and precast elements.

The U-shaped dual-chamber design, combined with a controlled sliding gate and reinforcement bar arrangement, enables accurate measurement of flow behavior by comparing concrete levels across both chambers.

Constructed from high-quality, corrosion-resistant materials, the AZA1113 ensures durability, repeatability, and long service life in both laboratory and field environments.

Key Features

- Blocking Resistance Evaluation – Simulates flow through congested reinforcement
- Quantitative Measurement – Determines passing ability using height difference
- Standards-Compliant – Meets EN 12350-11 & EFNARC guidelines
- Dual-Chamber Design – U-shaped structure for controlled flow testing
 - Precision Rod Arrangement – Replicates real reinforcement spacing
 - Durable Construction – Corrosion-resistant steel body





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TECHNICAL SPECIFICATIONS

Feature	Specification
Model	AZA1113
Product Type	U Shape Box Apparatus
Material	Powder-coated steel / Stainless steel
Dimensions	Height: 600 mm, Width: 410 mm
Reinforcement Bars	Ø13 mm @ 35 mm spacing
Chambers	Dual compartments with sliding gate
Measurement System	Graduated scale on both chambers
Standards	EN 12350-II, EFNARC Guidelines
Application	SCC blocking resistance testing
Accessories	Apparatus, gate, scale, manual

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