

## **CONCRETE FLOW TABLE**

### **BE 73**

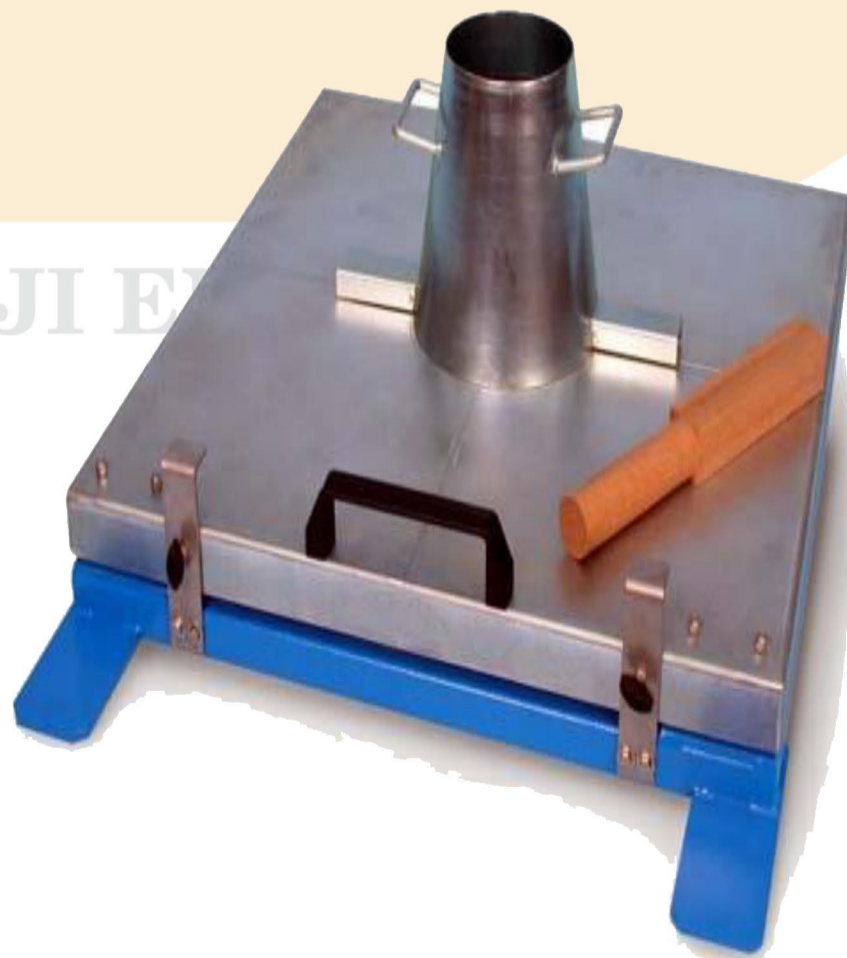
A concrete flow table is a specialized testing apparatus used in civil engineering and materials science to assess the workability (or consistency) of fresh, high-fluidity concrete mixes. It is particularly useful for concretes that are too fluid to be reliably measured with the standard slump test, such as those with a slump exceeding 175 mm. This test helps ensure the concrete can be properly placed, compacted, and finished without issues like segregation, bleeding, or reduced strength.

### **FOLLOWING STANDARD**

IS 9103-1999, BS EN 12350-5, ASTM C 230

### **FLOW TABLE CONSISTS OF:-**

- A **square metal table top** (typically 700 mm × 700 mm), hinged on one side to a rigid base.
- A **stop mechanism** that raises the free end of the table by exactly 40 mm.
- An **inscribed surface** on the table for easy measurement of spread diameter.
- A **truncated cone mold** made of stainless steel: top diameter 130 ± 2 mm, base diameter 200 ± 2 mm, height 200 ± 2 mm, thickness 1.5 mm.
- A **tamping rod** (wooden, about 340 mm long × 25 mm diameter) for compacting the sample.



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