

V-FUNNEL TEST

BE 71

The V-Funnel Test Apparatus is a specialized testing device used in civil engineering and materials science to assess the properties of self-compacting concrete (SCC), a type of concrete that flows and consolidates under its own weight without the need for vibration. This test primarily measures the filling ability (flow ability) and segregation resistance of freshly mixed SCC by determining the time it takes for the concrete to flow out of a V-shaped funnel.

FOLLOWING STANDARD

EN 12350

THE APPARATUS TYPICALLY CONSISTS OF:-

- A V-shaped stainless steel funnel with a capacity of approximately 10–12 liters, featuring a smooth, reinforced upper edge for leveling the concrete.
- A watertight sliding gate or sealable valve at the narrow outflow orifice (usually 75 mm wide) to control the release of concrete.
- A supporting frame or stand (often mild steel or rigid metal) to hold the funnel vertically and ensure the top remains horizontal.
- Accessories: A straight edge (e.g., 36 inches long) for leveling the concrete surface, a stopwatch for timing, and a collection bucket or polyethylene box to catch the discharged concrete.
- Overall dimensions are around 570 x 300 x 920 mm (height)

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