

Concrete Testing

Civil Engineering

What each concrete test measures.

Fresh tests catch batching. Hardened tests catch everything else.

Test	What it measures
Slump	Workability of the fresh mix
Flow table	Consistency of a flowing mix
Air content	Entrained air for freeze-thaw
Cube or cylinder	Characteristic compressive strength
Rebound hammer	Surface hardness, an indicator only
Core	In-situ strength of what was built

Educational reference. Sampling rate, specimen curing and acceptance criteria all come from the governing standard.