

We provide On-Site professional services through our experienced teams with State-of-the-art equipment's to facilitate our esteemed customers throughout Pakistan.

## CONCRETE TESTING SERVICES

**Schmidt Hammer Testing:** A Schmidt hammer, also known as a Swiss hammer or a rebound hammer or concrete hammer test, is a device to measure the elastic properties or strength of concrete or rock, mainly surface hardness and penetration resistance. Hammer test is largely the most commonly used worldwide. The procedure is simple and is easy to use.

**Pull-Out-Test:** The pull test for epoxy shows that the epoxy has bonded properly to the substrate so much that it has pulled chunks of concrete with it proving the failure is in the substrate and not the epoxy. The pull out test is mostly conducted for rebar, chemical and mechanicals anchoring etc. Rebar's are required due changes in design. The results of pull out tests are in Pounds, Kgs, Kn.

**Concrete Scanning Test:** The scanning process is made for Longitudinal and transverse steel reinforcement in slabs, columns, beams etc. Rebar diameter with an approximation of +/- 1 rebar number, Concrete cover, Rebar locations etc. The steel enforcement scanning process is made for drilling, cores, extraction of test cores for concrete strength, design loads and other assessment etc.

**Core Testing:** Concrete cores are used for testing of actual properties of concrete in existing structures such as strength, permeability, chemical analysis, carbonation etc. In post construction the test cores are extracted from concrete slabs, columns, and beams after scanning so they are extracted without steel enforcement. Onwards after flashing and capping, these cores are processed for compression tests for different analysis.

