

Compressive Strength Lab (FS-CTL-1)

Formshore can provide an onsite purpose built, Cube Test Lab, built into a 20ft Offshore Container, to give Concrete testing capability onsite during a project.

The concrete cube test measures the compressive strength of concrete. It involves curing a fresh concrete sample, then crushing it to assess its strength. This ensures the concrete meets safety standards for construction required by Clients.





Technical Parameters

1. Up to 50,000 kPa test
2. Force measurement range: 30-300KN
3. Test force relative error: $\leq \pm 1\%$
4. Test force resolution: 0.01kN
5. Bearing plate size: ϕ 155mm
6. Maximum distance between upper and lower plates: 230mm
7. Piston diameter: ϕ 130mm
8. Piston stroke: 80mm

Curing Environment

- Temperature controlled room +/- 3°C
- Moisture control: >95%

Curing Tanks

- Holding capacity for 100 cubes
- 3, 7, 14, & 28-day pre cube testing