

CONCRETE FORENSIC EXAMINATION

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Objective

- Determine in-situ concrete compressive strength using undamaged cores

Method

1: Sample cores: size, orientation (NZ)

Method

- 2(a): Evaluate cores for damage (CO)
- 2(b): Prepare samples for compression and petrography (CO)
- 2(c): Evaluate samples using ultrasonic pulse velocity, petrography and visual inspections (CO)

Method

- 3: Compression test cores, determine densities and absorptions (CO)
- 4: Produce reports (CA, CO)

Findings

- Compression test results
- Concrete sample correlation
- Petrography