



Construction Materials Testing Ireland



CMTL (Ireland) Ltd

Construction Materials Testing Laboratories is a leading specialist in delivering high-quality geotechnical testing of construction and civil engineering materials.

With over 120 employees based out of six locations, one here in Ireland and five in the UK, we are best placed to support your testing and analyses requirements through our expert technical teams and broad geographical footprint. All our state-of-the-art testing laboratories are accredited to ISO 17025 by INAB here in Ireland (UKAS in UK) ensuring that the highest quality standards are met and delivering a service that you can rely upon.

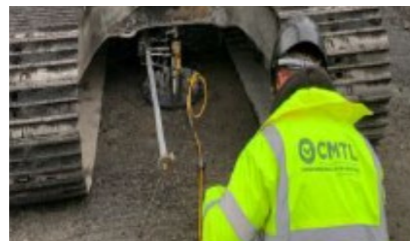
Our laboratory based out of Portlaoise has been providing services in the technical sector with a dedicated team for over 20 years.



- On-Site in-situ testing
- Nuclear density gauge
- Sand patch
- Macrotexture
- Rolling straight edge
- 3m Straight edge
- On-Site coring
- Concrete and pavement
- Cores 50-200mm Ø
- Core photo logs

- On-Site load testing
- Balustrade load test
- Beam load testing
- Glass panel load test
- Handrail load test
- Digital data acquisition
- Digital deflection gauges
- Loads 0.1 – 50kN
- Tests to Eurocodes & BS
- Building certification

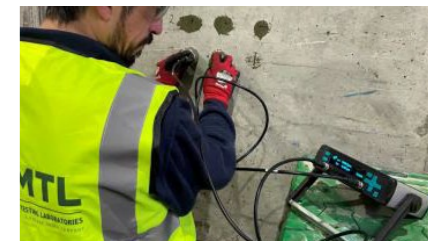
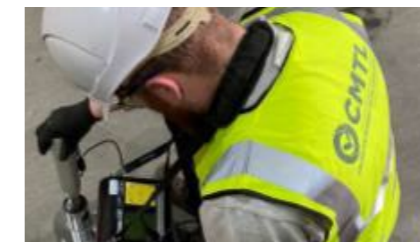
- On-Site anchor testing
- CFA approved tester
- Pull/Tension load
- Proof and ultimate load
- Dolly pull off test
- Digital deflection gauges
- Loads 0.1 – 50kN
- Tests to Eurocodes & BS
- Compliance testing
- Any fixing incl wall ties



- On-Site sampling
- Quarry sampling
- Sampling soils
- Sampling aggregates
- Water sampling
- Lab tests earthworks
- TII/NRA & SR Specs
- Geotechnical analysis
- Concrete aggregates
- Chemical analysis

- On-Site in-situ testing
- Plateload test
- Incremental load test
- Handheld data unit
- Instant CBR values
- Accurate digital system
- Safer system for test
- Plates 300 – 710mm Ø
- DCP & LWD test
- TDR Pile testing

- On-Site concrete testing
- Pour records incl temp
- Cube making & slump
- Air entrain test
- Flow table test
- Mortar testing prisms
- Prism & cube mould hire
- Free weekly collection
- Lab compressive strength
- Cubes, cores & cylinders



- On-Site investigation
- Structural survey
- Cover survey
- Line survey
- Reinforcement details
- Depth of cover
- Est steel rebar Ø size
- Spacing & arrangement
- Corrosion mapping
- Ultrasonic thickness

- On-Site investigation
- Structural survey
- Non-destructive testing
- Destructive testing
- Digi-Schmidt hammer
- Half Cell test
- Carbonation testing
- Chloride profile testing
- Opening up works
- Break-outs

- On-Site investigation
- Structural survey
- Ultrasonic pulse velocity
- Density
- Voids mapping
- Uniformity assessment
- Resistivity
- Crack width & depth
- Crack tell-tale gauges
- Coring & reinstatement



- On-Site monitoring
- Structural load test
- Weights or water units
- Structural monitoring
- Up to 16 sensors
- Digital data logger
- Remote monitoring
- Deflection
- Temperature
- Wind

- On-Site environmental
- Monitoring
- Vibration
- Dust
- Noise
- Vibration 0.1 - 200 mm/s
- Demolition & piling
- 28 day dust pots
- Noise surveys
- Equipment hire

- Laboratory load testing
- Product compliance testing
- Initial type testing
- Declaration of performance
- Proof & loads to destruction
- Precast concrete products
- Fabricated panels
- Manhole covers
- Tension & compression
- Loads 0.1 - 300kN



- Laboratory materials testing
- INAB Accredited
- Gradings, flakiness & fines
- Los Angeles, micro deval
- Plasticity, methylene blue
- Magnesium sulphate sound
- Shear box, permeability
- Slake durability
- Concrete block testing
- Rock testing
- Soils testing
- Concrete testing
- Bituminous testing
- & many others

