



Concrete Materials

In conjunction with the other laboratory services which look at the performance and acceptability of the constituent materials used in the manufacture of concrete, ENVERITY is able to provide a comprehensive testing service on fresh and hardened concrete, as well as being highly experienced in mix design and specification. Key staff within ENVERITY and Xplor Ltd are highly experienced in the concrete industry, with the original Newark Laboratories being directly linked with an independent concrete manufacturer prior to the acquisition by Xplor Ltd. ENVERITY is able to provide extensive concrete testing services, including mix design and mix design trials, sampling, manufacture of test specimens, curing, compressive strength testing, in-situ testing including coring and non-destructive testing as well as a full laboratory service.

▪ Properties including

- Compressive Strength of Hardened Concrete
- Tensile Strength of Hardened Concrete
- Density of Hardened Concrete
- Cement Content
- Aggregate Grading
- Sampling of Fresh Concrete
- Manufacture of Test Specimens
- Concrete Mix Design
- Slump and Workability Testing
- Air Content of Fresh Concrete
- Coring of Hardened Concrete
- Sulfate Content
- Chloride Content
- Alkali Silica Reaction
- High Alumina Cement Content

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