

Concrete testing

Cube Press

To test the concrete ability to withstand the stresses that will be placed on them a cube press test is conducted.

Samples of the concrete are poured into cube moulds. The moulds are then soaked in a curing bath for a period of time, when the moulds are ready they are placed in a cube press and crushed until the maximum pressure is reached.



Soil testing

California Bearing Ratio

The **California bearing ratio (CBR)** is a penetration test for evaluation of the mechanical strength of road subgrades and basecourses.

With the DCP you can obtain the following results on a soil:

- 1) The CBR (California Bearing Ratio) of granular materials as a percentage
- 2) The UCS (Unconfined Compression Strength) of cemented materials for the CBR the following formula is applicable (note: calibrated for a DCP with certain specifications eg. angle of penetrating point and weight, you can perhaps compare it to your graph within your manual):

