



Plain Cement Concrete



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What is Plain Cement Concrete?



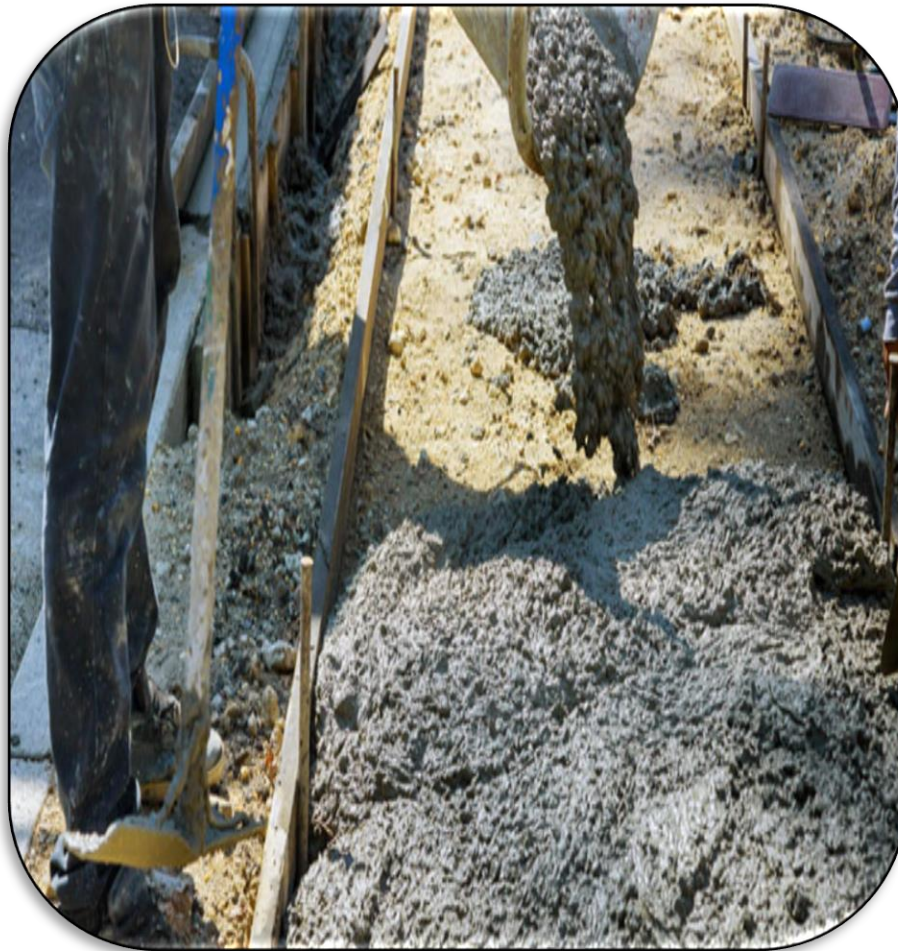
1. Plain Cement Concrete (PCC) is a lean mixture of cement, sand and coarse aggregate in fixed proportions.
2. Mixed Proportions:
 - a) M7.5 – 1:4:8
 - b) M10 – 1:3:6
 - c) M15 – 1:2:4
3. PCC acts as a surface base for substructures like footing, plinths, rafts etc.

Why PCC?

1. PCC protects the concrete and the reinforcement of the substructure from the ground moisture.
2. It also gives a firm, clean base for placing reinforcement cage, as we start building foundation of a RCC structure.
3. Formworks can be easily and uniformly fixed.
4. Cover block underneath the reinforcement cage can be easily placed.



How is PCC Done?



1. Cement, Sand and Aggregate of nominal size 20mm are mixed in fixed proportions either manually or in machine mixture.
2. The ground is well cleaned, compacted and levelled before pouring PCC

Measurement

1. As per the norms of CPWD 1200, the mode of measurement PCC is done in Cubic Meters.
2. Volume of PCC = Length x Width x Thickness



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