ABSTRACT

The dynamic effect of re-vibration on the compressive strength of concrete using concrete mix aggregate of 1:2:4 from Ordinary Portland cement with water to cement ratio of 0.75 is presented. Concrete cubes which were cast with re-vibration time lag intervals of 5minutes successions for 60minutes period of re – vibration process at 7, 21 and 28 days of curing were crushed for their respective compressive strength. Result shows that at successive time lag intervals there is an appreciable dynamic rise in compressive strength of concrete with such water to cement ratio. The result obtained suggests the use of 5minutes time lag interval of re-vibration process to depict the dynamic rise of compressive strength of concrete.

Keywords: Compressive strength, dynamic, re-vibration, time-lag intervals, water, cement, ratio.
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