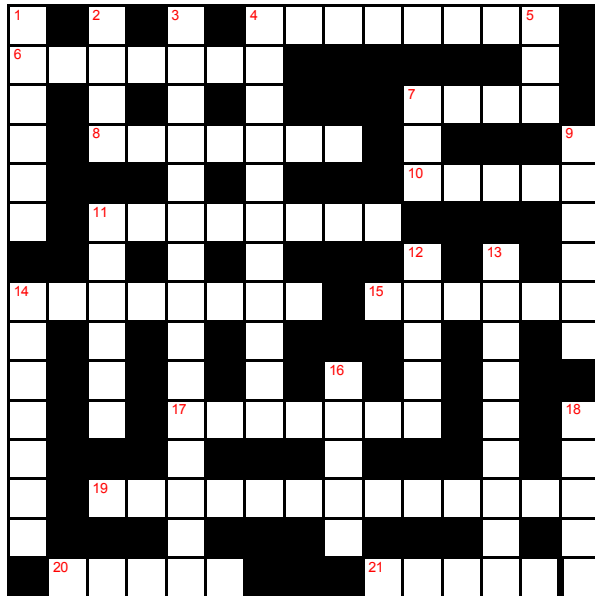


Cement_and_Concrete_15x15_2008-10-22

B.B. Huria



Across

- 4 An admixture which extends the setting time of cement paste. (8)
- 6 Heat a substance so that it oxidizes or reduces. (7)
- 7 The adhesion of cement paste to aggregate and reinforcement. (4)
- 8 Of structural members especially of concrete; cast into form before being transported to the site of installation. (7)
- 10 A framework of metal bars. (5)
- 11 Rising of water to the surface of freshly placed concrete. Also known as water gain. (8)
- 14 The ratio of the volume of voids in the material to the

total volume of the material, including the voids, usually expressed as a percentage. (8)

- 15 A visible suspension in the air of particles of some substance. (6)
- 17 Weight per unit volume. (7)
- 19 A device used in determining time of setting of hydraulic cement. (7,6)
- 20 _____ Fibre Reinforced Concrete. (5)
- 21 Hard metallic objects of spherical shape used in cement grinding. (5)

Down

- 1 A metallic sieve. (6)
- 2 Any of various small fasteners used to hold loose articles together. (4)
- 3 An index of fineness or coarseness of an aggregate sample. (8,7)
- 4 Delaying the hardening or strength gain of fresh concrete, mortar or grout. (11)
- 5 A round, straight steel bar. (3)
- 7 (of cement) Sack. (3)
- 9 A mixture of water and such finely divided materials, such as portland cement, slag, or soil in suspension. (6)
- 11 A unit of weight for cement equal to 376 lbs net. (6)

- 12 Having the sticky properties of an adhesive. (5)
- 13 A mixture with properties between those of a solution and fine suspension. (9)
- 14 A condition of fresh concrete, mortar or cement-paste indicating that it is workable. (7)
- 16 Equipment used for mixing or blending the materials used in the manufacture of concrete, grout or mortar. (5)
- 18 A strainer for separating lumps from powdered material or grading particles. (5)