

THE NEW METHOD OF PRODUCTION OF HIGH-DENSITY CONCRETES

M.S. Egamberdiev*; **D.F. Ubaydullaeva****

*Acting Professor,
Bukhara Institute of Natural Resources Management,
National Research University of the Tashkent Institute of Irrigation and Agricultural,
Mechanization Engineers, Bukhara, UZBEKISTAN

**2nd Year Master Student,
Bukhara State University, Bukhara, UZBEKISTAN
Email id: salomsidney@gmail.com

DOI: 10.5958/2249-7137.2022.00719.4

ABSTRACT

In numerous works by Soviet and foreign authors, a significant role is assigned to the density of concrete in the formation of its structure and physical and mechanical properties. It is noted that one of the important tasks of concrete technology is to find conditions that provide the possibility of obtaining the maximum density. As is known, it is POSSIBLE to solve this problem by reducing the W/C to values at which the mixing water completely interacts with cement, and at the same time, the maximum compaction of the concrete mixture is ensured, which practically excludes the presence of a gas phase in it.

KEYWORDS: *Concrete, Sand, Water, Mixture, Density, Plasticizers, Molecular Forces, Phase Density.*

REFERENCES

1. Vakhitov M.M., Egamberdiev M.S., Shifrin S.A. Features of radiation heating of concrete of monolithic structures in contact with the ground. Concrete for special structures // Scientific works of VNIPI T epl o p r o y e k t . - M . : - 1988. - P.96-99.
 2. Vakhitov M.M., Egamberdiev M.M. Holding the concrete of monolithic structures under translucent heat and moisture insulating coatings in winter // Materials of the All-Union coordination meeting on the problem "Technology of concrete work in a dry hot climate". - Dushanbe. - 1988. - S.261-266.
 3. Egamberdiev M.S. The use of helium coatings in the production of concrete works // Concrete and reinforced concrete. - 1989. - No. 9. - S. 13-14.
 4. Simonov M. Z. On the gas phase in a ton mixture and concrete. Proceedings of the meeting on the theory and technology of concrete. Yerevan, 1956.
 5. Skramtaev B. G., Budilov A. A. Rapid hardening and high-strength concretes from hard concrete mixes. "Строитель" No. 7, 1956.
 6. P. P. Stulachenko, Structural porosity and permeability of cement stone and concrete. Known universities. S. A. issue. 3, 1958.
-

7. Moshnsky N.A. Bones of building materials and structures, the work in aggressive environments. M. Gosstroyizdat, 1962.
8. 5. Popov N. A. Production facts of strength of lightweight concrete. M. - L., 1933
9. Shestoporov S. V. Durability of concrete in the transport facilities. M., Transport, 1966.
10. Soroker V. I., Dovzhik V. Hard concrete mixes. Moscow, Gosstroyizdat, 1963.
11. Deryagin B.V. On the question of Lenin's definition of the concept and magnitude of disjoining pressure and its role in the statics of thin layers in a liquid knistik. Journal of Kolloidny, 1955, 17, 207.