## Composite Materials Based on Fine Grain Concrete Using Phosphogypsum Waste of Mineral Fertilizers

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**Key words and phrases:** durability; phosphogypsum; thermal; expansion; physical constants. **Abstract:** The paper proposes and studies the composition of composite materials based on fine grain concrete using utilized phosphogypsum waste; it is shown that introduction of phosphogypsum of certain concentration improves the working characteristics of fine grain concrete (durability, heat expansion resistance) in a wide range of load and temperature.