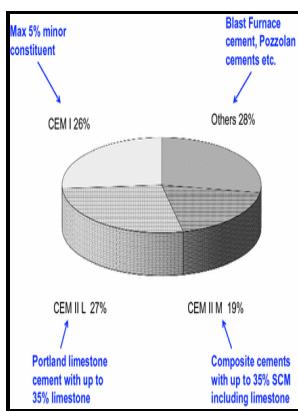


Performance of limestone-filled cements - proceedings of a seminar of the BRE/BCA/Cement Industry Working Party, held at the Building Research Establishment, Garston, on 28 November 1989.

Building Research Establishment - Influence of various amounts of limestone powder on performance of Portland limestone cement concretes



Description: -

- German poetry -- 18th century
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Limestone

A For the covering abstract of the conference see IRRD 853281.

Influence of various amounts of limestone powder on performance of Portland limestone cement concretes

Also, different standards have stated specifications in regards to the amount of limestone used in Portland-limestone cements. Curcio, A Contribution to the Knowledge of the Properties of Portland-Limestone Cement Concretes, with Respect to the Requirements of European and Italian Design Code. Cabrera, Mechanical properties and durability of concrete made with portland limestone cement.

PERFORMANCE OF LIMESTONE

Sogo, Properties of low-heat generating concrete containing large volumes of blast-furnace slag and fly ash, ed. The lowest sulfate-expansion occurred at the specimens with a limestone addition of 10%. In general, the addition of limestone helps to reduce the shrinkage and improve the sulfate attack resistance.

Limestone

Irassar, High-strength concrete with limestone filler cements. The benefits of limestone as a partial replacement for Portland Cement PC are well established.

Limestone

Limestone

Fly Ash, Silica Fume, Slag, and Natural Pozzolans in Concrete, Proceedings, Fourth International Conference, Istanbul, Turkey, ACI SP-132 May 1992, pp. They cause no appreciable increase of the water demand of the cement, in addition to not impairing the resistance of the concrete or mortar to deterioration in any way or reducing the corrosion protection of reinforcement.

PERFORMANCE OF LIMESTONE

The aim of this investigation is to study the effect of substitution of limestone for Homra in pozzolanic cement.

Limestone

Results showed that the compressive strengths of the mortar were reduced by the limestone addition. Economic and environmental advantages by reducing CO₂ emissions are well known. It can be concluded that limestone fills the pores between cement particles due to formation of carboaluminate, which may accelerate the setting of cement pastes.

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